The Johns Hopkins University

CONFERRING OF DEGREES AT
THE CLOSE OF THE
118TH ACADEMIC YEAR

MAY 26, 1994

For those wishing to take photographs of graduates receiving their diplomas, we request that you do so only in the area designated for this purpose located just to the left of the stage. To reach this area, please walk around the outside of the tent, where ushers and security officers will assist you. Do not walk in the three center aisles as these are needed for the graduates. We appreciate your cooperation.

JOHNS HOPKINS
UNIVERSITY

Office of the Registrar
75 Garland Hall / 3400 N. Charles Street
Baltimore MD 21218-2688
(410) 516-8080

July, 1994

For those who use the Commencement Program as an official record of the awarding of degrees, please note the following changes to the 1994 Commencement Program:

1. Bachelor of Arts (Arts and Sciences) Pages 22-25

Add:

Aashir Awan
Kien Anthony Dao
Lover High, Jr.
Diallo Kobi Little
Joseph Christopher Raulerson
Manuel Ramon Saccapano

Delete:

Douglas Allen Besen III
Niraj Nilkanth Bhatt
Richard Ernst Brummer
Kuo Leon Chao
Emma Kathleen Chaput
Henry Cohen Chiu
Song Yun Choe
Joseph Francis Croughwell
Robert James Dunn
Anthony Ali Golsorkhi
John Patrick Grant
Stephen Boyd Hamilton
Brian D. Kelly
Efron Jules Nelken
Leticia Maria Rodriguez
John Walter Edward Roy
Michael Scott A. Tolen
Alexander Wadkovsky
D. David Wielich
Jeffrey Michael Wills

2. Bachelor of Science in Biomedical Engineering (Engineering) Page 26

Add:

Rakhi Jain

Delete:

Michael A. Dayton
Reid Nelson Orth
Martin Keith Powell

3. Bachelor of Arts in Biomedical Engineering (Engineering) Page 27

Delete:

Rakhi Jain

4. Bachelor of Electrical Engineering (Engineering) Page 27

Add:

Howard Ziserman

5. Bachelor of Music (Peabody) Page 27

Add:

Shana Catandella. Clarinet

Delete:

April Milbert. Clarinet

Revise:

David J. Pasbrig. Piano (did not complete Recording Arts & Science)

6. Bachelor of Science (School of Continuing Studies) page 29

Add:

Dean Joseph Catanzaro

Delete:

Sandra Jean Calvert

7. Master of Science (Continuing Studies) Pages 30-40

Add:

Rena Margaret Geckos
Gregory Lee Muth
Craig Jonathan Madden

Delete:

Constance Cropp Blair
Hallie Sue Collen
Rodney Gerald Bourn
Sylvia Gaynor
Sandra Gjelhaug Byrnes
Roberta Kristyne Marshall

8. Master of Liberal Arts (School of Continuing Studies) Pages 40-41

Delete:

Charles Boutelle Gifford
Kelly Lynn Smith
Harry Leonard Smith

9. Masters of Science (Nursing) Page 42

Revise:

Correct name to read Phyllis Anne Luers Naumann

10. Graduate Performance Diploma (Peabody) page 43

Add:

Soyeon Elizabeth Lee. Violin
Laura Antonina Vicari. Voice.

Delete:

Seungkee Chae. Voice.

11. Master of Music (Peabody) Page 43-44

Add:

Henry M. Becker. Piano.

12. Masters of Health Science (Public Health) Page 45

Delete:

Vicky Cardenas

13. Master of Public Health (Public Health) Pages 46-50

Add:

Sharon Gallagher Owens
Serena Rajabium

Delete:

Jacqueline Rosanna Berry
Sarah Alward Redding

14. Master of International Public Policy (School of Advanced International Studies) page 50

Add:

John Michael Willingham, B.A. Morehouse College, 1970

Delete:

Angeles Espinosa
Emmanuel Kwadwo Osae-Addo
Kanika Phommachanh
Vasily Ivanovich Silchuk
Hoon Suh
Denise Anne Vaillancourt

15. Master of Arts in International Affairs (School of Advanced International Studies) page 50

Delete:

Katrin Ekenberg
W.G. Stephan Van Vliet

16. Master of Arts (School of Advanced International Studies) pages 50-53

Add:

Claudio Bardella, B.A. Escola de Administracao de Empresas de Sao Paulo, 1986.

Jennifer Elizabeth Cody, B.A. Amherst College, 1988.

Wendy Sue Gracey, B.A. Johns Hopkins University, 1985; M.B.A. The Wharton School,University of Pennsylvania, 1994.

Elizabeth Read Russin, B.A. Tulane University, 1989.

Delete:

Laura Anthony
Eric W.G. Bellman
Kerry Therese Breen
Gary Jonathan Brick
John Dorsey Clapp
Gary L. Crowder
Julia Curtis
Jozelyn Richelle Davis
David Nathan Diamond
Loren Robert Douglass
Sharon Marie French
Gregory Moyle Grant
Mario Henrique Hurtado
Robert Jamro
Lukas C. Kakogeorgiou
Robert S. Kim
Kalliroy G.Lambrou
Lars Victor Larson
Seung-hee Frances Lee
Forrest T. McKennie
Angelous-Jospeh Krispins Mrope
Daniel Wolf Offit
Belinda Smith Rabano
Luis F. Ramirez Morales
Reynaldo J. Sanchez
Eric J. Schmmel
Timothy John Sherwood
Kent Stallard
Daina M. N. Stankevics
Lisa Leone Stewart
Jennifer Anne Tesluk
Alan James Young

17. Masters of Science in Engineering (Engineering) Pages 64-65

Add:

Qunming Dong; B.S. Xiamen University, PROC, 1984; M.S. Dalian University of Technology, PROC, 1987. Mathematical Sciences.

Lee Taylor Gibson; B.S. Johns Hopkins University, 1992; Electrical & Computer Engineering.

18. Masters of Arts (Arts & Sciences) pages 66-68

Add:

Anthony F. Lang, Jr.

Delete:

Timothy Robert White Kubik

Revise: Krassimir Nikolov Bozhilov

Meriwynn Ford Grothe; Hispanic and Italian Studies

Revise: Tome Anticic; Physics and Astronomy

Konstantin Tzvetanov Matchev; Physics and Astronomy

Paul Thomas Mikulski; Physics and Astronomy

Revise: Carla Gerona; remove Women and Advertisments in the South Carolina GAzette, 1732-1790.

Ben Chien-pin Lin; remove Western Dreams

David Jeffrey Scrams; Remove Selective Memory and Attitude: Memory Facilation for Ambivalent Attitude Objects.

Dawn Elaine Sipes; remove Effect of Viewer Distance on Amount of Perceptual DepthCompression.

Scott I. Vogel; add Cautionary Tales: Media Narratives in the Age of Aids.

Wendy Maria Walker; remove Cautionary Tales: Media Narratives in this Age of Aids.

19. Doctor of Musical Arts (Peabody) Page 69

Add:

Yuri Minyayluk. Conducting

Revise: Rolf Christian Erdahl. (Thesis Title)

Edvard Grieg's Sonatas for Stringed Instrument and Piano: Performance Implications of the Primary Source Materials.

Randolph Mitchell Foy. (Thesis Title)

Textural Transformations: The Instrumental Music of Krzysztof Penderecki, 1960-1973.

William Brockway Spencer. (Thesis Title)

The Baltimore Symphony Orchestra, 1965-1982: The Meyerhoff Years

20. Post Masters' Advanced Certificate (PTE) Page 64

Delete:

Amy Hsiao Ming
Chao Chang

21. Honor Societies Phi Beta Kappa (A&S) Page 19

Add: From the Senior Class elected in 1992-93

Lisa Ruth Blackman	Renuka Edpuganti	Joshua Michael Karlip
David Chen	Kimberly Ann Ennico	Nancy Ann Lentz
Jason Tsai Chen	Jonathan Michael Gerber	Setu S. Mazundar
Steven Chen	Cynthia T. Hsu	Stefano M. Saccone
Progna Choudhury	Richard C. Hsu	Justin S. Smith
Suzanne Maria Datto	Mihir Mahendra Jani	

22. General Honors (Arts and Sciences) Page 21

Add: Based on Spring GPA

Mary S. Ahn	Meredith Lisa Mona	David Lloyd Savolaine
Tamara Beth Charm	Man Minh Nguyen	Rohit Ramesh Sharma
Indu Gupta	Samiya Rashid	Peter Sloane
James T. Frogione	Joseph Michael Richards	

Add: Based on Fall GPA

Tatiana Ivanova Aguire	Louis Herbert Hawk	Andrew Ivan Roy
Katherine Janel Almquist	Adrian Hurditch	Umang Kaur Soin
Michal Berkner	Brian D. McCarthy	Kimberly Solnov
Peter Carignan	Cortright Wallace McMeel	Marcia Clare Sugrue
Bryan Dole Ellis	Diem Nguyen	Kevin Teng
Reuben Gobezie	Jennifer Noah	Douglas Kent Vos

Delete: Based on Fall GPA

Melissa Allen	Erick Begquist	Alex Cohen
James Aronowitz	Brenda Brown	Jeffrey Colvin
Lance Baldo	Kerry Bruce	
Kristyn Balsewich	Tamara Charm	
Amy Bennett	Nadine Chiu	

Delete: Based on Fall GPA (continued)

Kristin Corriveau
Lara Davidonic
Mark Desgrosseilliers
Andrew Dunlap
Farrokh Farrokhi
Mitsuko Feaver
Stephanie Fishkin
Michael Fleisher
Suma Ghanta
Alana Gitomer
Andrew Graser
Sumona Guha
Anuj Gupta
Charu Gupta
Indu Gupta
Erika Helms
Marc Hochstein
Allan Hunter, III
Rajesh Jain
Nathan Jayne
Lawrence Kohn
Stacey Kojaku
Jacqueline Koo
Elizabeth Kosztolnyik
Leor Landa
Edward Lee
Matthew Lefferman
Wei Lin
Gautham Mallampati
Usha Mani
Bradley Medd
Lloyd Miller
S. Min
Meredith Mona
Michael Mordine
Jennifer Morrow
Erica Nathanson
Kevin Neal
Man Nguyen
John Peller
Benjamin Poor
Ross Pulkrabek
Joseph Richards
Rick Roe
Todd Rooney
Alison Rosenstengel
Peter Sadow
David Savolaine
Roger Schoenman
Michael Schwartz
Rohit Sharma
Ethan Skolnick
Peter Sloane
Daniel Smith
Joanna Tang
Mayrav Teller
Catherine Tokheim
Marc Triola
Eric Volmuth
Robert Wimberly
Joung Woo
Robert Woods
Shelly Yogev

General Honors (G.W.C. Whiting School of Engineering) Page 22

Add:

Andrew Arluk
Vincent Koosh
Louis Li-Wen Liu
Vipul Naren Nanavata

Delete:

Benjamin Baker

Department Honors (A&S) Page 22

Delete:

Prasad Guru Acharya
Katharine Janet Almquist
Carla Berg
Erick Bjorn Berquist
Donald Alan Bergstrom
Michael Lyn Bernstein
Ankush Kumar Chhabra
Marc Alain Chung
Christine Ghoubrial (1/94)
Lewis Herbert Hawk
Adrian Hurditch

Department Honors (A&S) Page 22 (continued)

Delete:
Elizabeth Kosztolnyik
Nancy Lentz
Ryan Scott Littlefield
Brian D. McCarthy
Joseph Molko
Joseph Oh
Albert Michael Ong
Andrew Park
Johnny Park
Carol Joan Pekarchik
Christine Peterson
James Robert Poush
Rosemary Albina Quirk
Todd Mason Rooney
Mitali Saha
Umang Kaur Soin
Kimberly Solnov
Celestia Ward
James K. Webber, Jr.
Robert David Woods
Johnny Wu

Graduates from the Biology Honors Program
Add:
Josh Hasbani
Diana Ping-Cheng Lin
Stefan Muljo

Graduates from the Himanistic Studies Honors Program
Add:
Michael Berkner
Jeffrey Colvin
Chiedu Egbuniwe
Petros Karakousis
Kathleen Page
Marcia Sugrue
Dickson Tang
Marcia Sugrue
Justin Szlasa
Vittorio Trionfi
Richard Z. Tsai (1/94)
Simon John Tsiouris

Department Honors (Engineering) Page 22

Delete:
Herman Lawson

addenrev.94

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Order of Procession

Marshals

Jerilyn K. Allen
Hans Georg Betz
Betsy M. Bryan
Robert C. Cammarata
Marc D. Donohue
Robert Forster
H. Franklin Herlong
Jacob Khurgin
Nancy R. Norris
Peter B. Petersen
Edyth H. Schoenrich
Beverly Silver
Eileen Soskin
Alan Stone
Daniel Howard Weiss
Susan F. Weiss

The Graduates

Marshals

Benjamin Ginsberg
Richard I. Joseph

The Faculties

Marshals

Robert E. Green, Jr.
Orest Ranum

The Deans
Members of the Society of Scholars
Officers of the University
The Trustees

Chief Marshal

Steven R. David

The President of the Johns Hopkins University Alumni Association

The Interim Chaplain

The Faculty Presenter of the Doctoral Candidates

The Presenter of the Milton S. Eisenhower Medal

The Milton S. Eisenhower Medal Recipient

The Honorary Degree Candidates

The Provost of the University

The Chairman of the Board of Trustees

The United States Ambassador to the United Nations

The President of the University

Order of Events

William C. Richardson
President of the University, presiding

Prelude

La Mourisque
Tielman Susato (?-1561)

Basse Dance
Tielman Susato (?-1561)

Two Ayres for Cornetts and Sagbuts
John Adson (?-1640)

Sonata No. 22
Johann Pezel (1639-1694)

Processional

The audience is requested to stand as the Academic Procession moves into the area and to remain standing after the Invocation.

Marches from Belshazzar, Floridante, Ezio, Scipione, Saint Cecilia's Day and Rinaldo
Georg Friedrich Handel (1685-1759)

The President's Procession

Fanfare
Walter Piston
(1894–1976)

March from Judas Maccabaeus
Georg Friedrich Handel
(1685–1759)

Invocation

Sharon M. K. Kugler
Interim Chaplain for the Johns Hopkins University Homewood Campus

The National Anthem of the United States of America

Greetings

Morris W. Offit
Chairman of the Board of Trustees

Greetings

John M. Brickman
President, The Johns Hopkins University Alumni Association

Presentation of New Members of The Society of Scholars

Hideyasu Aoyama
William J. Catalona
Joseph T. Coyle
Ugo Fisch
Juan M. Flavier
Suzanne Wright Fletcher
Judith G. Hall
Timothy J. Hallman
Guillermina Jasso
Willis C. Maddrey
Dinakar Ramakrishnan
Felix N. Rutledge
John A. Waldhausen
James Watt

Scholars Presented by Joseph Cooper
Provost of the University

Musical Interlude

The Festival Brass
Ellery B. Woodworth, Conducting

Homage March
Edvard Grieg
(1843–1907)

Presentation of the Milton S. Eisenhower Medal

Daniel Nathans

Conferring of Honorary Degrees

Clarence W. Blount
Donald A. Henderson
Anne M. Pinkard
Richard S. Ross
Madeleine Korbel Albright

Address

Madeleine Korbel Albright
United States Ambassador to the United Nations

Conferring of Degrees on Candidates

Bachelors of Arts

Presented by
Matthew A. Crenson
Acting Dean, School of Arts and Sciences

Bachelors of Science in Biomedical Engineering
Bachelors of Science in Chemical Engineering
Bachelors of Science in Civil Engineering
Bachelors of Science in Computer Science
Bachelors of Science in Electrical Engineering
Bachelors of Science in Materials Science and Engineering
Bachelors of Science in Mathematical Sciences
Bachelors of Science in Mechanical Engineering
Bachelors of Arts
Bachelors of Arts in Biomedical Engineering
Bachelors of Arts in Computer Science
Bachelors of Arts in Geography
Bachelors of Arts in Mathematical Sciences
Bachelors of Civil Engineering
Bachelors of Electrical Engineering
Bachelors of Mechanical Engineering

Presented by
Don P. Giddens
Dean, G.W.C. Whiting School of Engineering

Performer's Certificates
Bachelors of Music

Presented by
Robert O. Pierce
Director, Peabody Conservatory of Music

Bachelors of Science
Bachelors of Science in Nursing

Presented by
Carol J. Gray
Dean, School of Nursing

Associates of Science
Bachelors of Liberal Arts
Bachelors of Science

Presented by
Stanley C. Gabor
Dean, School of Continuing Studies

Masters of Science
Masters of Liberal Arts
Masters of Arts in Teaching
Masters of Administrative Science
Masters of Drama Studies
Certificates of Advanced Graduate Study

Presented by
Stanley C. Gabor
Dean, School of Continuing Studies

Masters of Science
Masters of Science in Nursing

Presented by
Carol J. Gray
Dean, School of Nursing

Graduate Performance Diplomas
Masters of Music

Presented by
Robert O. Pierce
Director, Peabody Conservatory of Music

Masters of Science
Masters of Health Science
Masters of Public Health

Presented by
Alfred Sommer
Dean, School of Hygiene and Public Health

Masters of International Public Policy
Masters of Arts in International Affairs
Masters of Arts

Presented by
Paul D. Wolfowitz
Dean, Paul H. Nitze School of Advanced International Studies

Masters of Arts

Presented by
Michael E. Johns
Dean, School of Medicine

Masters of Chemical Engineering
Masters of Civil Engineering
Masters of Environmental Engineering
Masters of Materials Science and Engineering
Masters of Mechanical Engineering
Masters of Science
Post-Master's Advanced Certificates
Masters of Science in Engineering

Presented by
Don P. Giddens
Dean, G.W.C. Whiting School of Engineering

Masters of Arts
Masters of Science in Biotechnology
Masters of Science in Environmental Earth Sciences and Policy
Masters in Writing

Presented by
Matthew A. Crenson
Acting Dean, School of Arts and Sciences

Doctors of Education

Presented by
Stanley C. Gabor
Dean, School of Continuing Studies

Artist Diplomas
Doctors of Musical Arts

Presented by
Robert O. Pierce
Director, Peabody Conservatory of Music

Doctors of Science
Doctors of Public Health
Doctors of Philosophy

Presented by
Alfred Sommer
Dean, School of Hygiene and Public Health

Doctors of Philosophy

Presented by
Paul D. Wolfowitz
Dean, Paul H. Nitze School of Advanced International Studies

Doctors of Medicine
Doctors of Philosophy

Presented by
Michael E. Johns
Dean, School of Medicine

Doctors of Philosophy

Presented by
Don P. Giddens
Dean, G.W.C. Whiting School of Engineering

Doctors of Philosophy

Presented by
Matthew A. Crenson
Acting Dean, School of Arts and Sciences

Statement to the Graduates

William C. Richardson
President of the University

Recessional

Trumpet Voluntary
Jeremiah Clarke
(1673–1707)

The audience is requested to remain standing until the principals, officials, members of the faculties, and the graduates have left the area.

Divisional Diploma Ceremonies Information

The Arts and Sciences Masters Diploma Ceremony will be held at 12:30 p.m. in the Glass Pavilion of the Union Building. Reception will follow the ceremony. Recipients of the Ph.D. degree from Arts and Sciences and their guests are welcome.

The Engineering Masters Diploma Award Ceremony was held last evening.

The Arts and Sciences and Engineering Undergraduate Diploma Award Ceremony will be held at 2:30 p.m. this afternoon on the Keyser Quadrangle.

The School of Continuing Studies Undergraduate and Graduate Diploma Award Ceremony will be held at 7:30 p.m. this evening on the Keyser Quadrangle. Reception to follow.

The Paul H. Nitze School of Advanced International Studies Diploma Award Ceremony will be held at 3:00 p.m. this afternoon at the First Baptist Church of the City of Washington, 16th and "O" Streets, N.W., followed by a reception at the Nitze School.

The School of Hygiene and Public Health Diploma Award Ceremony was held yesterday afternoon.

The School of Medicine Diploma Award Ceremony will be held at Goucher College at 3:00 p.m. this afternoon.

The School of Nursing Diploma Award Ceremony will be held in the Turner Auditorium at the School of Medicine at 4:00 p.m. today.

The Peabody Conservatory's Diploma Award Ceremony will be held in the Miriam A. Friedberg Concert Hall at 8:00 p.m. this evening.

The Johns Hopkins Society of Scholars

The Johns Hopkins Society of Scholars was created on the recommendation of President Milton S. Eisenhower and approved by the University Board of Trustees on May 1, 1967. The society—the first of its kind in the nation—inducts former postdoctoral fellows and junior or visiting faculty at Johns Hopkins who have gained marked distinction in their fields of physical, biological, medical, social, or engineering sciences, or the humanities, and for whom at least five years have elapsed since their Hopkins affiliation. The Committee of the Johns Hopkins Society of Scholars, whose members are equally distributed among the academic divisions, elects the scholars from the candidates nominated by the academic divisions having programs for postdoctoral fellows. The scholars are invested at the time of Commencement, Commemoration Day, or a similar occasion. At that time, they are presented with a diploma and with a medallion on a black and gold ribbon, to be worn with their academic costumes.

The following listing of the Society of Scholars members is accompanied by a short description of their accomplishments at the time of election to the society.

Dr. Hideyasu Aoyama
Okayama City, Japan

Dr. Aoyama is a pioneer in the field of occupational health and safety in Japan. He is chairman of the Department of Hygiene and Preventive Medicine at the Okayama University Medical School, the largest department of hygiene in Japan. Dr. Aoyama set up a fellowship training program for foreign physicians to train in Japan, and has been instrumental in developing the foundation for the first schools of public health in Japan.

Dr. William J. Catalona
St. Louis, Missouri

Dr. Catalona is a surgeon and one of the most respected urologic oncologists in the nation. He revolutionized the management of prostate cancer, making major contributions in the use of prostate specific antigen (PSA) for diagnosis. Before his findings were published, it was widely believed that PSA lacked sufficient specificity for this purpose.

Dr. Joseph T. Coyle
Belmont, Massachusetts

Dr. Coyle became a world leader in psychopharmacology while on the faculty of Hopkins, where he was chief of Child Psychiatry. He left Hopkins to become the first head of the Consolidated Department of Psychiatry at Harvard Medical School. He eventually made many contributions to the understanding of the mechanisms of Alzheimer's disease and Huntington's disease.

Dr. Ugo Fisch
Zurich, Switzerland

Dr. Fisch is a world-renowned neuro-otologist and skull base surgeon who has made numerous contributions to the basic science and clinical practice of otology. His refinements of certain surgical approaches became universally used.

Dr. Juan Martin Flavier
Manila, Philippines

Dr. Flavier, secretary of health for the Philippines, has worked to improve the health and welfare of millions of Filipinos living in rural areas. Through his immunization program, more than 1.5 million children have been immunized, and 85 percent of Filipino children younger than 5 have been immunized against polio, measles, diphtheria, pertussis, and tetanus.

Dr. Suzanne Wright Fletcher
Boston, Massachusetts

Dr. Fletcher, a professor of ambulatory care and prevention at Harvard Medical School, is a leading scholar in preventive medicine. She is former editor of the *Annals of Internal Medicine*, the premier journal in its field, and the *Journal of General Internal Medicine.* Dr. Fletcher was elected to the National Academy of Sciences' Institute of Medicine in 1987.

Dr. Judith G. Hall
Vancouver, British Columbia

Dr. Hall is chairwoman of the Department of Pediatrics at the University of British Columbia in Vancouver. She is a leader in the area of genetic syndromes and birth defects. Dr. Hall defined and named the disorder known as thrombocytopenia with absent radius, or TAR, in which children are born without the radius bone in the forearm. She has classified many forms of arthrogryposis, a type of birth defect resulting in stiff, unbendable joints in the arms and legs. Her work also has been instrumental in describing uniparental disomy, in which children inherit only the genes from one parent.

Dr. Timothy J. Hallman
Berkeley, California

Dr. Hallman is a leading physicist studying the properties of nuclear matter at very high densities. He developed an apparatus to find electron-positron pairs emitted from collisions of very heavy nuclei. His work was a forerunner of studies at Brookhaven National Laboratory.

Dr. Guillermina Jasso
New York, New York

Dr. Jasso has had a distinguished career as a special assistant to the director of the U.S. Immigration and Naturalization Service. Subsequently, she became research director of the U.S. Select Commission on Immigration and Refugee Policy. She is a specialist in mathematical sociology and in theories of distributive justice.

Dr. Willis C. Maddrey
Dallas, Texas

Dr. Maddrey, whose research interest is in various areas of liver disease, has made significant contributions related to chronic hepatitis and alcohol-induced liver disease. He has been honored for excellence in teaching and has served as president of the American College of Physicians. He was one of the founders of the American Liver Foundation and recently was elected a fellow of the Royal College of Physicians in London.

Dr. Dinakar Ramakrishnan
Pasadena, California

Dr. Ramakrishnan, a professor of mathematics at the California Institute of Technology, has made contributions to the general theory of Zeta functions. Of particular importance is his work on the zeta functions associated with modular surfaces and linear groups of symmetrics. He was appointed full professor eight years after he earned his Ph.D.

Dr. Felix Noah Rutledge
Houston, Texas

Dr. Rutledge, a professor of gynecologic oncology at the University of Texas, was among the first to use culdoscopy as a gynecologic diagnostic tool and to recognize the pathologic features of atypical endometrial hyperplasia, which has subsequently been found to be a precursor of endometrial cancer.

Dr. John Anton Waldhausen
Hershey, Pennsylvania

Dr. Waldhausen has played a critical role in the development and growth of the Pennsylvania State University's Medical Center in Hershey. He has been chairman of the College of Medicine's Surgery Department since 1970 and has practiced cardiac surgery, with a special interest in pediatric cardiac surgery.

Dr. James Watt
Norfolk, Virginia

Dr. Watt is a retired assistant surgeon general for the U.S. Public Health Service. He founded the American Board of Preventive Medicine and has served as chairman of the World Health Organization's executive committee. His research has focused on tropical and infectious diseases. He encouraged international efforts to eradicate smallpox and control cholera.

The Milton S. Eisenhower Medal for Distinguished Service

Citation Read by
Alice S. Huang
in Presenting
Daniel Nathans
for the Milton Stover Eisenhower Medal
for Distinguished Service
May 26, 1994

Your brilliant, pioneering use of restriction enzymes—the "chemical knives" that cut genes into specific fragments—led to the creation of physical maps of DNA and sparked a revolution in biotechnology and genetics.

To put it simply, the techniques you devised have changed the world, just as the Nobel committee predicted in 1978 when it awarded you the Nobel Prize.

Over the years, your work has led to widespread applications: to the development of synthetic human insulin, growth hormone and interferon, to rapid diagnosis of genetic diseases, and to the creation of disease-resistant genes in plants. Your studies of how cells respond genetically to growth factors have profoundly affected virology and cancer research.

As director of the Department of Molecular Biology at the Johns Hopkins School of Medicine, and as senior investigator at the Howard Hughes Medical Institute at Hopkins, you are also a dedicated teacher and inspiring mentor who has nurtured new generations of scientists.

You have always preferred to focus on your research, rather than your many honors—most recently, the National Medal of Science. You have inspired your colleagues with your lifetime commitment to learning. "There's a lot left to discover," you said recently, "lots more to know."

Daniel Nathans, for your innumerable contributions as scholar and teacher, The Johns Hopkins University is proud to confer upon you the Milton Stover Eisenhower Medal for Distinguished Service.

Citation Read by
Stanley C. Gabor
in Presenting
Clarence W. Blount
for the Degree of Doctor of Humane Letters
May 26, 1994

For nearly a quarter of a century, you have represented the citizens of Baltimore's 41st District in the Maryland state Senate—the past 12 years as majority leader.

Soft-spoken and evenhanded, you spend most of your time working behind the scenes. When, however, you express interest in a bill and enter a committee room, the issue immediately becomes a high priority with your Senate colleagues.

Your commitment to your community, your city and your country started well before you entered elective politics. After distinguished service in the Second World War, you became a Baltimore City schoolteacher and administrator, capping your education career as principal of Paul Laurence Dunbar Community High School.

Throughout your busy and productive legislative career, you have found time to participate actively in many civic organizations, including the Baltimore Urban League and the NAACP. You also are an active member of the boards of Sinai and Provident hospitals and Western Maryland College. You have been recognized over the years with awards for distinguished service from the Maryland State Drug Abuse Administration, for extraordinary service to the elderly from the United Methodist Home, and for leadership from the Park West Medical Center. And during this period of achievement, you found time to complete a master of liberal arts degree at Johns Hopkins.

Clarence Blount, dedicated and distinguished legislator, tireless advocate for your constituents, civic leader and constant supporter of this university, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa.*

Citation Read by
Alfred Sommer
in Presenting
Donald Ainslie Henderson
for the Degree of Doctor of Humane Letters
May 26, 1994

You are a public health citizen of the world, with a legacy that will last as long as the human race. You are also one of our own, first a graduate and later dean of the Johns Hopkins School of Public Health.

A grateful world will always recognize your supreme achievement, the eradication of smallpox. A scourge for more than 3,000 years, smallpox once accounted for 10 percent of the world's deaths, and as recently as 1967 still threatened 60 percent of its people. Its elimination has been called "one of the most brilliant accomplishments in medical history."

Your vision, energy and dedication has played equally pivotal roles in shaping the child survival revolution, the Expanded Program on Immunization and the child's vaccine initiative.

As deputy director of the Office of Science and Technology Policy at the White House, you continued to serve the government in important new areas, fostering closer alliances among academia, government and the private sector.

During your nearly 14-year tenure as dean, research funding and enrollment at the School of Public Health grew to record levels. The school strengthened its position as the premier institution for education and research in prevention of disease and promotion of health.

Donald Ainslie Henderson, for your invaluable contributions to medical science and to mankind, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa.*

Citation read by
Carol J. Gray
in Presenting
Anne Merrick Pinkard
for the Degree of Doctor of Humane Letters
May 26, 1994

You have made Maryland, its institutions and, especially, its people, your life's work. As president of the France and Merrick Foundations, you have provided desperately needed child care, health services and housing for the underprivileged. Your dedication promises a better future for them and for all of us.

A celebrated pioneer, you were invited to board rooms previously closed to women; and you were not content simply to lend a presence. You became a spokesperson for constructive change and a role model for other women who would later enter those same rooms.

You were the first woman ever to serve on The Johns Hopkins Hospital board of trustees and have been enormously supportive of its health care mission. You devoted 18 years to this university's board of trustees, 15 as chair of the Committee on Buildings and Grounds, helping to extend the Hopkins presence from Homewood and East Baltimore to Washington, D.C., China and Italy and crafting plans to blend much-needed new buildings into our campuses. And by lending your leadership and resources to the restoration of the historic Homewood and Evergreen houses, you have enabled thousands to enjoy more of this city's rich cultural heritage.

Anne Merrick Pinkard, in gratitude for your passionate pursuit of a more healthy society, and for the guidance you continue to provide us as trustee *emerita,* The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa.*

Citation Read by
Michael E. Johns
in Presenting
Richard Starr Ross
for the Degree of Doctor of Humane Letters
May 26, 1994

It is impossible to walk down a hallway, or even across a street, at The Johns Hopkins Medical Institutions without being reminded of your 15 years as dean of the School of Medicine, the culmination of four remarkable decades at Hopkins.

During your tenure as dean, Hopkins became a leader in federal peer-reviewed research funding. You launched major, essential construction projects, including the Hunterian Building, the Asthma and Allergy Center, the Outpatient Center and the fine research building that bears your name.

Of even greater importance is your influence on our human resources. You recruited 16 outstanding department directors. You established a fund to support the research careers of young clinician-scientists. And you encouraged the admission of a well-rounded and diverse student body.

As Hopkins grew in size and complexity, you fostered innovative programs to bring research scientists and clinicians together. The bridges that now span our streets are a testament to your view that people need access to each other, and that pioneering work must cross traditional boundaries.

A gifted cardiologist, you are a past president of the American Heart Association and a member of the National Academy of Sciences' Institute of Medicine.

Richard Starr Ross, for the bridges you have built, the standards you have set, and the legacy you have created, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa.*

Citation read by
Paul D. Wolfowitz
in Presenting
Madeleine Korbel Albright
for the Degree of Doctor of Humane Letters
May 26, 1994

You are a child of the Cold War who has played a vital role in developing and executing our nation's response to the aftermath of that struggle. Born in Prague, you were the daughter of a highly regarded Czechoslovakian diplomat who sought political asylum after the communists gained control. More than 40 years after he left the United Nations, you were appointed America's permanent representative there.

The U.N. to which you returned is very different from the one in which your father served, with a sudden new relevance in world affairs. East-West confrontation no longer colors every debate and decision. Common efforts are no longer a dream, but a reality.

Sadly, in Asia, Europe, Africa and the Americas, bloody wars and their aftermath of misery continue. In your short time at the United Nations, you have become an influential, and respected, leader in the effort to encourage thoughtful, broad-based, international responses to both breaches of the peace and threats to human dignity.

Madeleine Korbel Albright, in recognition of the energy, the commitment and the humanity you bring to your work for the nation and for the world, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa.*

The University Mace

The University Mace carried by the Chief Marshal, Dr. Steven R. David, was first used at the 1954 Commemoration Day Exercises. Eight symbols are hand wrought in sterling silver on an ebony staff. The symbols represent our cultural development from ancient times, through the Middle Ages and the Renaissance, to the modern era.

The Presidential Insignia

University President William C. Richardson is wearing the Presidential Insignia signifying the authority vested in the President by the Board of Trustees. It is a chain of sterling silver links worn around the neck. Portraits of each of the eleven Johns Hopkins University Presidents are engraved on the faces of eleven of the links. On the reverse are engraved the names and dates of office of each President. Five blank links for future use are included. The University Seal completes the design.

Academic Dress

The custom of wearing academic dress stems from the Middle Ages, when scholars were also clerics and wore the costume of their monastic order. The hood was originally a cowl attached to the gown, which could be slipped over the head for warmth. The cap was originally round, but has changed to the varieties that we see today.

The gown varies for the respective degrees. The Bachelor's gown is worn closed and can be distinguished by its long, pointed sleeves. The Master's gown is designed to be open with the arms worn through the slits in the elbows of the sleeves. The Doctor's gown, also worn open, has full, bell-shaped sleeves with three horizontal bars stitched across the upper arm. There is a velvet panel draped around the neck and stitched down the front edges. This velvet trimming may be either black or the same color as the velvet border of the hood.

The hood also varies for the respective degrees. The Bachelor's and Master's hoods are of the same design, pointed at the base. The Bachelor's hood is three feet long; the Master's hood is three and one half feet long. The Doctor's hood is four feet long, of fuller shape and rounded at the base.

The hood is bordered with velvet, the color of which indicates the field of study in which the bachelor's, master's, or doctoral degree was earned:

Dark blue–Philosophy
Light blue–Education
Green–Medicine
Salmon pink–Public Health
Orange–Engineering
Gold-yellow–Science
White–Arts and Letters
Pink–Music
Purple–Laws
Apricot–Nursing
Tan–Business

The silk lining of the hood represents the institution which granted the degree. If more than one degree is held, the gown and hood of the higher or highest degree is worn. The Johns Hopkins University has adopted an alternative costume to be used by all holding Johns Hopkins doctoral degrees, both earned and honorary. The costume consists of a gold robe with front and side panels in sable velvet and a six-sided Dutch academic cap with gold sweatband and tassel. The linings seen in today's academic procession may include:

Black, old gold chevron–Johns Hopkins
Light blue, white chevron–Columbia
Dark blue–Yale
Blue with white chevron–Duke
Dark blue, two orange chevrons–Illinois
Light blue, two white chevrons–North Carolina
Old gold, maroon chevron–Minnesota
Old gold–Iowa
Gold, blue chevron–University of California at Berkeley
Gold–Virginia
Purple, gold chevron–Northwestern
Carnegie Tartan–Carnegie-Mellon
Purple–New York University
Bright red–Wisconsin
Plum, with scarlet–London
Maroon–Chicago
Crimson–Harvard
Carnelian, two white chevrons–Cornell
Cardinal–Stanford
Cardinal red and gray–Massachusetts Institute of Technology
Red, tri-Chevron in center–Heidelberg
Dandelion yellow–Michigan
Maize, azure blue chevron–Sorbonne
Yellow and white–Rochester

The University Motto

Veritas vos liberabit.
The truth shall make you fee.
–St. John 8:32

AWARDS

In The Schools of Arts and Sciences, Engineering and Medicine

Louis Sudler Prize in the Arts
for excellence in the creative arts
Awarded to Celestia N. Ward

In The Schools of Arts and Sciences, Engineering

Roberto R. Arellano Award
for excellence in writing by a Writing Seminars undergraduate
Awarded to Carla Berg

AT&T Outstanding Senior Award in Computer Science
Awarded to Alison Lai

Louis Azrael Fellowship in Communications
for demonstrated excellence in a field of mass communications
Awarded to Christina Posa
Thomas Collins
Nell Boyce
Mark Binker
Josh Siegel
Kevin Smokler

James F. Bell Award
for outstanding undergraduate research and scholarly achievement in Mechanical Engineering
Awarded to Scott L. Kugler

Biomedical Engineering Award
for outstanding effort in research in Biomedical Engineering
Jointly Awarded to Peter Sung Jae Baek
Amir Hossain Fayazi
Fouad Ahmad Siddiqi

Biomedical Engineering Distinguished Service Award
for outstanding service to the academic community
Awarded to Krinna Dilip Patel

Alexander Butler Prize
for the best research paper by a first year graduate student in History
Awarded to Lara Kriegel

Mary Farrell Camerer Award
for excellence in writing by a Writing Seminars undergraduate
Awarded to Elizabeth Kosztolnyik

Eugenio and Patricia Castillo Award
in Economics to the best first or second year student
Awarded to Nada Choueiri

Chemical Engineering Undergraduate Research Award
for demonstrated contributions to research in Chemical Engineering
Awarded to Steven Vitale

Civil Engineering Award
for outstanding achievement by a senior in Civil Engineering
Awarded to Anver B. Abdulla
Jeffrey D. Thompson
(co-recipients for 1994)

G. Stanley Hall Prize
for outstanding achievement by an undergraduate in Psychology
Awarded to Derek Chen

The Max Hochschild Fund
The prize is awarded annually to the undergraduate student in Business and Industrial Management who has shown great promise and proficiency in this field and is
Awarded to Joshua Spencer

The Jacob H. Hollander Prize
for excellence in writing by a Writing Seminars undergraduate
Awarded to Todd M. Rooney

The Three Arts Club of Homeland Award
for excellence in writing by a Writing Seminars undergraduate
Awarded to Diem K. Nguyen

William H. Huggins Award
for outstanding service and achievement by a senior and junior in Electrical and Computer Engineering
Jointly Awarded to Syed Rafi Reza
(Class of '94)
Michael J. Lopez
(Class of '95)

IBM Outstanding Undergraduate Award in Computer Science
Awarded to Christian Duncan

Richard J. Johns Award
or outstanding academic achievement in Biomedical Engineering
Awarded to Adam Kent Hoyhta
Aravindan Kolandaivelu
Christine Mona Wu
Seung-Schik Yoo

Adolf Katzenellenbogen Memorial Prize
for outstanding work in Art History
Awarded to Irene Kabala

Donald E. Kerr Memorial Medal
to the outstanding undergraduate major in Physics and Astronomy
Awarded to Kimberly A. Ennico

Martin G. Larrabee Award
for undergraduate research in The Thomas C. Jenkins Department of Biophysics
Awarded to Ryan Scott Littlefield

Ernest M. Marks Award
in recognition of excellence in instruction and research in Chemistry
Awarded to Xin Yang

Mathematical Sciences Achievement Award
for outstanding achievement by an undergraduate in Mathematical Sciences
Awarded to Maren K. Olsen
Eric J. Vigoda (awarded in 1993)

The William D. McElroy Award
for meritorious research conducted by an undergraduate in the biological sciences
Awarded to Albert M. Ong
Diana Liu (Honorable Mention)

The Robert G. Merrick, Jr. Achievement Award
is awarded by the Zanvyl Krieger Mind/Brain Institute for outstanding undergraduate research at the interface between the mind and brain
Awarded to John Charles Carton
Brian Glucroft
Reem Habbak
William Perlman

Robert B. Pond, Sr. Achievement Award
to the graduating senior in Materials Science and Engineering who best exemplifies Professor Pond's commitment to scholarly and humane values
Awarded to Aladar A. Csontos

The Curt P. Richter Award
in Behavioral Biology in recognition of outstanding achievement in the Behavioral Biology Program
Awarded to Arvin Garg
Bradford Holmberg

Sarah & Adolph Roseman Achievement Award
in recognition of outstanding accomplishment in Chemistry
Awarded to Ming Lu

Julian C. Stanley Award
for the undergraduate psychology major who most closely approximates Dr. Stanley's personal and professional standards of excellence
Awarded to Progna Choudhury

The J. J. Sylvester Prize
for outstanding achievement by a senior in Mathematics
Jointly Awarded to George W. Schlossnagle III
Sarah H. Manchester

Robert W. Tucker Award
for the most distinguished senior thesis in International Studies
Awarded to Daniel M. Metz
Benjamin G. Runkle

Julius Turner Prize
for the most distinguished senior thesis in Political Science
Jointly Awarded to Melody Hakim
Jonathan Meagher

The John Boswell Whitehead Award
for outstanding achievements by an undergraduate in Electrical and Computer Engineering
Awarded to Jason W. Green
(Class of '94)
Krista Beth Ruark
(Class of '94)

Loy Wilkinson Award
for demonstrated record of academic excellence, leadership, and service in Chemical Engineering
Awarded to Geoffrey Wise

In The Peabody Conservatory of Music

Pauline Favin Memorial Award
in piano
Jointly awarded to Jerard Heffernan
David Pasbrig

Lillian Gutman Memorial Prize
in piano
Awarded to Paul Liang

Rose Marie Milholland Award
in piano
Awarded to Wendy Chen

Randolph S. Rothschild Award
in composition
Awarded to Shih-Chan Mark Cheng

Rose and Lou Becker Memorial Prize
in violin
Awarded to Je Youn Park

Israel Dorman Memorial Award
in strings
Awarded to Joel Dallow

Josef Kaspar Prize in violin
Awarded to Asako Kuboki

Sidney M. Friedberg Prize
in chamber music
Awarded to Robert Muckenfuss

The George Castelle Prize in voice
Awarded to Steven Rainbolt

Anita Erdman Prize in opera
Awarded to Monica Reinagel

Martha and William Bill Memorial Prize in clarinet
Awarded to Debra Weinberg

Britton Johnson Memorial Prize
in flute
Awarded to Tracey Pullo

Maryland State Teachers Association Award
Awarded to Jennifer Lawyer

Harold Randolph Prize
in performance
Awarded to Jason Love

Alice and Leary Taylor Prize
in performance
Awarded to Brenda Kellogg

Zaidee T. Thomas Award
in instrumental performance
Awarded to Heidi Kitten

Sarah Stulman Zierler Prize
in accompanying
Awarded to Joanna Ting

Frances M. Wentz Turner Memorial Prize
in piano
Awarded to Sandra Wright

J.C. van Hulsteyn Award
in violin
Jointly Awarded to Karen DiYanni
Melina Gajger

Olga von Hartz Owens Memorial Prize
in strings
Awarded to Yoo Sun Lee

Christopher Percy Award
Awarded to Allison Bailey

Frank D. Willis Memorial Prize
in composition
Awarded to Daniel Crozier

Sidney Jensen Memorial Prize
in clarinet
Awarded to Kenneth Ascher

Lynn Taylor Hebden Prize
in performance
Awarded to Christine Thomas

In The School Of Nursing

Emma Jones Beckwith Cullen Award
in recognition of the highest standards of nursing practice and executive ability
Awarded to Ann Larsen

Eleanor Wade Custer Award
to a student who most successfully combines commitment to the nursing profession with sensitivity to one's fellow man
Jointly Awarded to Timothy McDaniel Teeter
Jennifer Gail Waugh

Betty Cuthbert Award
to a student who demonstrates outstanding commitment and service to nursing and the University
Awarded to Jeffery Clarke Baldwin

Mary and Grainger Marburg Award
in recognition of a student who consistently exhibits outstanding clinical nursing expertise
Jointly Awarded to Melissa Wells Moore
Sharon Marie Mowbray

Robert G. Merrick Award
to a student demonstrating outstanding leadership in the field of nursing
Jointly Awarded to Patricia Ann Heinlen
Lucia A. Schliessmann

Ruth Dale Ogilby Award
in recognition of exceptional academic performance in the Master's program
Jointly Awarded to Susan High Culp
Phyllis Anne Lauers Naumann
Jane C. Shivnan

Edna Schoen Memorial Award
to a student demonstrating excellence in clinical practice
Awarded to Stacey G. Pietruszynski

Joan Sutton Award
to a student demonstrating a strong dedication to professional nursing, clinical excellence, and interdisciplinary practice
Awarded to Nancy Ellen Glass

Academic Excellence Award
to a student whose academic performance has been judged to be outstanding
Awarded to Melissa Wells Moore

Research Award
to a student demonstrating intellectual curiosity and creativity in nursing research
Awarded to Kathleen M. Verdon

The Church Home and Hospital Nursing Alumnae Award
recognizes a student who best exemplifies a humanistic approach to nursing while integrating the art, science and the spirit of nursing
Jointly Awarded to Bethany Richardson Berry
Holly Forrest Kosten

The Johns Hopkins Nurses' Alumni Association Award
recognizes a student whose leadership ability is combined with clinical competence and an inquiring mind
Awarded to Sarah Todd Strachan

Sinai Nurses' Alumnae Asociation of Sinai Hospital, Inc.
recognizes a student who exhibits enthusiasm, compassion and a positive approach to problem solving in nursing
Jointly Awarded to Jane Offei-Darko
Annmarie Spong

In the School of Continuing Studies

Delta Sigma Pi Scholarship Key
in the Division of Business and Management for the highest average in the undergraduate programs
Awarded to Barbara Jean Goodman

Edward J. Stegman, C.P.A., Memorial Award
in the Division of Business and Management for excellence in the study of Administrative Science at the graduate level
Awarded to Sharon Lynn Attaway
Debby Sue Brown
Paul Juan Beckham, Jr.
Rene Castro
Tina DeSantis Cilurso
Donna Maria Cotter
Beverly V. DePietropaolo
Randy Sue Ellis
Roger Bruce Gayman
Steven Leonard Gempp
Stephen Michael Giovannetti
Stephen Forsyth Hardiman
Elizabeth Ann Hixon
Marcelle Robin Hyatt
Bradley William Kopp
Lynn Johnson Langer
Patricia Arlene Meador
John Joseph Meduri
Luigi Giulio Prezioso
Mary Ann Riley
Renee Romulus
Karen Van Ness Saylor
Roger Allen Slykhouse
Suzann Maria Starzec
Sally Ann Turner
Sherry L. Weisenborne
Deborah Joan Wigler
Lisa Irene Wojeck

Wall Street Journal Student Achievement Award
in the Division of Business and Management for outstanding scholarship in the undergraduate programs and exceptional promise of future success
Awarded to Vincent Perez

In The School of Medicine

The Henry Strong Denison Scholarship
The Henry Strong Denison Fund for Medical Research in memory of Henry Strong Denison, M.D., 1908, is used for the specific purpose of aiding in the training for research of young people deemed by the Medical Faculty to be especially gifted for a career in medical investigation.
Awarded to Kasper Saonun Wang 1992-93
Jennifer Ellen Lawrence 1993-94

The Franklin Paine Mall Prize in Anatomy
The Franklin Paine Mall Prize in Anatomy established by Dr. Miley B. Weston, an alumnus of the School of Medicine, is given in the name of Franklin Paine Mall, the first professor of Anatomy in the School of Medicine.
Awarded to Derek M. Fine 1989-90
Srinivas Reddy Sadda 1990-91
Daniel Hugh Wachsstock 1987-88

The Paul Ehrlich Awards
The Paul Ehrlich Awards were established to honor Dr. Paul Ehrlich with funding originally granted by Dr. Emmanuel Libman. The Awards, which recognize student research contributions, are presented each year at Young Investigators' Day.

The Paul Ehrlich Research Award
Awarded to Michael Mei-Hwa Wang 1992-93

The Paul Ehrlich Basic Science Award
Awarded to Fang-Tsyr Lin 1993-94

The Paul Ehrlich Medical Student Award
Awarded to Hanlee P. Ji 1993-94

The David Israel Macht Memorial Prize
The David Israel Macht Memorial Prize was established in 1983 by the family of Dr. Macht to commemorate the centenary of his birth. Dr. Macht was a member of the faculty of the Departments of Pharmacology and Medicine in the early part of this century and was a pioneer investigator in the field of opiate alkaloids. The prize is intended to recognize excellence in investigation by a student in the School of Medicine.
Awarded to Craig David Blackstone 1993-94

The Martin and Carol Macht Research Prize
The Martin and Carol Macht Research Prize is awarded to a doctoral candidate whose research evidences elegance in science, originality in thought and creativity in approach. The prize was made possible by a donation from the Machts of Cincinnati, Ohio. Martin Macht, who earned his medical degree and doctorate at Hopkins, is a professor of medicine and psychiatry at the University of Cincinnati. Carol Macht holds a doctorate in fine arts and archaeology.
Awarded to Jeffrey C. Boyington 1993-94

Harold Lamport Biomedical Research Prize
The memory of Dr. Harold Lamport, a distinguished investigator, is honored by this prize established by the Lamport Foundation. The prize recognizes research contributions.
Awarded to Matthew Robert Moore 1993-94

CIBA Award for Outstanding Community Service
The CIBA Pharmaceutical Company makes a yearly award to that student in the second year of the School of Medicine who is judged by classmates to have made the greatest contribution to our community.
Awarded to Susan Joan Chaitovitz

The William L. Strauss, Jr. Scholarship Award
This fund was established in 1982 by an alumnus to honor Dr. Strauss, former Associate Professor of Anatomy and Acting Director of the Department of Anatomy. The donor specified that the award be made to a student with strong interest in basic research, people, and the history of medicine.
Awarded to Daniel Hugh Wachsstock

The Student Research Award
The Student Research Award is sponsored by the Association for Academic Surgery and recognized outstanding research efforts by a senior medical student interested in a surgical career.
Awarded to Rick Asao Low

In The School of Hygiene and Public Health

Ruth B. Freeman Award
to a graduating doctoral nurse to recognize academic performance and an outstanding thesis
Jointly Awarded to Cindy Louise Hunt
Anita Louise Schill

John C. Hume Doctoral Award
to a graduate for significant research in the Department of Health Policy and Management
Awarded to Nandita Kapadia-Kundu

John C. Hume Master of Public Health Award
to a graduate for academic excellence and professional promise
Awarded to Johan Jozef Valere Heffinck

Cornelius W. Krusé Award
for scholarly excellence in Environmental Health Sciences
Awarded to Daebee Kang

Harry D. Kruse Award
for outstanding doctoral research in the field of nutrition and public health
Awarded to Lisa Kessler (1993)

Mary B. Meyer Memorial Award
to students in the Department of Epidemiology for academic excellence
Awarded to Yuan-I Min (1993)

In The Paul H. Nitze School of Advanced International Studies

William C. Foster Award
to a second year student for sound scholarship and a record of leadership and distinguished service to SAIS exemplary of the high qualities of integrity, loyalty and ability admired in Mr. Foster
Jointly Awarded to Raymond J. Dunn IV
Peter William Niessen

Christian A. Herter Fellowship
to the member of the second year class with the most outstanding record during the first year
Jointly Awarded to Raymond J. Dunn IV
Jeffrey Thad Muller

Honor Societies

Phi Beta Kappa

From the Junior Class in the School of Arts and Sciences

Arlene Lorene Ashcraft
Keith Michael Baumgarten
Michael E. Field
Rachel Beth Gerstein
Michael Garrett House
Young Min Kang
Wilbur Yeehong Kuo
Frank C. Lee
Jonathan Seth Leshnoff
Shawn Marc Pompian
Richard Byoung Rhiew
Lara Anne Sternfels
Matthew Roy Witten
Lung Sing Yam

From the Senior Class in the School of Arts and Sciences

Prasad Guru Acharya
Tatiana Ivanova Aguirre
Amit Ahuja
Brian Michael Allen
Patrick Michael Aquilina
Vineet Arora
Yaniv Bar-Cohen
Jan Rey Bautista
Donald Alan Bergstrom
Michael Lyn Bernstein
Stephanie Michelle Black
Nell Louise Boyce
Richard Scott Brandt
Nina Elizabeth Brown
Joseph Woodward Carlson
Michael Lee Castellano
Robin Beth Ceasar
Monica Ko-Hsun Chau
Felicia Chen
Saugeeta Das
Marc Lyle Derosa
Yeshim Ergin
Dennis Alexis Finkielstein
Vadim Aaron Finkielstein
Monica Viviana Florez
Arvin Garg
Sarah Marie Gershman
Christine Ghoubrial
Gopal Sai Grandhige
Matthew Isaac Hall
Josh Mayer Hasbani
John McCaslin Heck
Bradford James Holmberg
Yan-Tzu Huang
Christopher Kevin Iorio
Jon David Isaacson
Donna E. Jaworsky
Seth Serafin Joseffer
Ravi V. Joshi
Petros Constantine Karakousis
Zafar Saleem Khan
John Young Kim
Soo Hang Kim
Victor Kim
Julia Teresa Kovacs
Hadley Faith Kruczek
Brijendra Kumar
Alpa Narendra Laheri
Kimberly Marie Lane
Jason Edward Lang
Rita Shi-Ming Lee
Bonnie Jean Lepold
Diana P. Lin
Sarah Heidi Manchester
Aneel Mandava
Paul William Margiotta
Robert Harold Mertz
Daniel Morris Metz
Stefan Adi Muljo
Barbara Jean Nepf
Giang Truong Nguyen
Joseph Oh
Kathleen Raquel Page
Andrew Sungjae Park
Jong Han Park
Poonsakdi Ploypradith
Royce Pabst Poinsett
James Robert Posch
Robert Ryan Putzer
Rosemary Albina Quirk
Shweta K. Reddy
Erica Palmer Reighn
Chen Reis
Benjamin Gordon Runkle
George W. Schlossnagle, III
Christopher Brian Shank
Daniel Louis Shapiro
John Morgan Smedley
Joshua Kaj Spencer
Dietrich Philip Steinhuebel
Nicola Jane Sykes
Shaun Leland Terrill
Bennett Arul Thilager
Richard Zelos Tsai
Simon John Tsiouris
Galee Timothy Tuper, Jr.
Katja Maria von Tiesenhausen
James Kevin Webber
Donna Joan Wladaver
Kenneth Kan Wong
Lisa Marie Yacono
Jay Yang

From the Graduate School of Arts and Sciences

Maryann Kathleen Cusimano
Ursula Porod

Johns Hopkins/Columbia University Accelerrated Interdisciplinary Legal Education Program

Andrew Todd Swers

From the School of Medicine

Kent William Dauterman
Brian Scott Kuszyk
Jeffrey Allen Spaeder

From the School of Hygiene and Public Health

Jiangang Liao
Thomas Perneger
Sukathida Ubol

From the Paul H. Nitze School of Advanced International Studies

Katherine Janel Ahnquist
Bryan Dole Ellis
Lewis Herbert Hawk, Jr.
Adrian John Hurditch
Brian Devin McCarthy

Tau Beta Pi

National Engineering Honor Society

From the Junior Class in the Whiting School of Engineering

Devang Bhuva
Joseph Bushey
Alvin Chen
Charles Cheung
Michael Derby
Nathan Hoffman
Hayden Huang
Mark Huber
Beatrix Jones
Kelly Kiehm
Christopher Kwun
Dawn Lam
Amy Lin
Michael Lopez
Stanley Lu
Michael Mysinger
Henry Pelish
Eric Prather
Suk In Seo
Jon Strasser
Marc Vaillant
Wade Wan
Gregory Weller
Chung Yi

From the Senior Class in the G.W.C. Whiting School of Engineering

Elected in 1992-93

Anver Abdulla
Andrew Arluk
Gulamali Emadi
Amir Fayazi
Adam Hoyhtya
Aravindan Kolandaivelu
Alison Lai
Seong Lee
Eric Lowe
Krista Beth Ruark
Jeffrey Thompson
Kathleen Vuong
Geoffrey Wise
Christine Wu
Seung-Schik Yoo

Elected in 1993-94

James Anderson
Peter Baek
Evan Bynum
Daniel Campbell
Mansheung Fung
Jason Green
Nikhil Jathar
Vincent Koosh
Herman Lawson
Louis Liu
Mary Liu
Thomas Lu
Vipul Nanavati
Huong Nguyen
Maren Olsen
Anit Patel
Jonathan Rosenfeld
Tricia Rothenhoefer
Eric Shepp
Katerina Shvartsman
James Stefansic
Albert Su
Steven Vitale

Alpha Omega Alpha Honor Medical Society

The Alpha Chapter of Maryland was established at The Johns Hopkins University School of Medicine in 1906. Medical students with outstanding records are elected to membership in their senior year. The following members of the graduating class have been elected to membership in Alpha Omega Alpha:

Cathleen Marie Colon-Emeric
Paul Robert Daniels
Kent William Dauterman
Jennifer Leigh Hollis
Michael Bradley Holmes
Christopher Merrill Hutchins
Debra Lynne Kruse
Brian Scott Kuszyk
Michael Preston Rock
Srinivas Reddy Sadda
Matthew James Schuchert
George Kelly Siberry
Julia Ann Sosa
Jeffrey Allen Spaeder
Michael Mei-Hwa Wang
Lisa Gail Winston
Timothy Francis Witham
Robert Frank Yacavone

Delta Omega National Public Health Honor Society

Franz Allerberger
Cristian Carlos Baeza
Arthur Ray Baker, Jr.
John Matthew Balbus-Kornfeld
Jeralyn Anise Bernier
Michael S. Blake
James Edward Bross
Anne Marie Damiano
Mary Virginia Wake Davis
Cheryl Lorraine Enger
Harry Peter Hausler
Ernest Terry Hawk
Johan Jozef Valere Heffnick
Rebecca S. Hines
Jon Mark Hirshon
Elizabeth M. Johnson
Mary C. Johnson
Scott Alan Katz
Bonnie Sue King
Christopher J. Knapp
Shirley Hyink Kramer
Kimberly Anne Linton
Peter V. Long
Christopher Charles Lorentz
Laurence S. Magder
Asghar Nazeer
Katherine Louise O'Brien
Theodore William O'Brien
Joan T. Paine Porter
Sandra Donna Reid
Martha Rudolph
Debra Ann Schaumberg
George Kelly Siberry
Lois J. Simon
Ronald W. Stout
Sukathida Ubol
Maria Antonia Bernarda van der Sande
Jon Sanford Vernick
Yue-Fen Wang
Philip Cargill Watt
Tadesse Wuhib
Yutaka Yasui
Paula Walsh Yoon

Sigma Theta Tau International Honor Society of Nursing

**Kimberly Allen*
**Patricia McVey Babij*
Daniel Charles Baral
**Elizabeth Bekemeier*
Renee Carol Butler Benkowitz
Lorie Ann Bower
Nora Marie Buzek
**Christina Cafeo*
**Lane Cameron*
Deborah Carr
Kimberly Anne Clash
Carolyn Diane Cobel
Doreen Linda Collins
Elizabeth Johanna Cooke
Catherine Cruttenden
**Susan High Culp*
Carolyn Goldbeck Darrehmane
Mary L. Dempsey
**Elizabeth Anne DiPietro*
**Amy M. Englert*
Elizabeth Browne Fleming
Mary Kathleen Florenzo
**Maura Raynock Goldsborough*
Michelle Suzanne Gongloff
Monica Jamison Hughes
Lana Kristine Ivashin
**Freddie Jenkins*
Tricia Marie Jolin
Sarah Littman Kanchuger
Anna Kartalia
Jennifer Lindstrom Kelleher
Ann Larsen
Theresa Lynn Libershal
Stephanie Ann Luci
Laura Marie Lyford
Michele Victoria Matthews
Michele Anne McComas
Melissa Wells Moore
Sharon Marie Mowbray
Paula Gabig Murphy
**Victoria Navarro*
Stacey G. Pietruszynski
Rebecca May Querry
Kimberly Ann Romer
Kari Anne Rosemond
Ilze Sikorski
Catherine Mary Smith
Annmarie Spong
Lisa Squires
Sandra Waimun Tang
Timothy McDaniel Teeter
**Eva Stone Tyburski*
Suzanna Vieira
Eileen Mary Villa
Jennifer Susan Walrath
Kimberly Lynnette Walter
Lorraine Marie Mowers Weil
Susan Antoinette Wells
Lois Ann Wessel
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* Graduate Students

Honors

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Melissa Allen
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Patrick Aquilina
Margaret Araneo
Michael Arenth
James Arouowitz
Vineet Arora
Rachel Badovinac
Kelly Baek
Lauce Baldo
Kristyn Balsewich
Yaniv Bar-Cohen
Jan Bautista
Amy Bennett
Erick Bergquist
Donald Bergstrom
Michael Bernstein
John Bessonette
Stephanie Black
Lisa Blackman
Rebecca Boucher
Nell Boyce
Richard Brandt
Brenda Brown
Nina Brown
Kerry Bruce
David Buscher
Joseph Carlson
Michael Castellano
Robin Ceasar
Monica Chan
Tamara Charm
David Chen
Derek Chen
Felicia Chen
Jason Chen
Steven Chen
Ankush Chhabra
Nadine Chiu
Progna Choudhury
Alex Cohen
Michael Colli
Jeffrey Colvin
Kristin Corriveau
Kara Dansky
Sangeeta Das
Suzanne Datto
Lara Davidovic
Marc Derosa
Mark Desgrosseilliers
Andrew Dunlap
Renuka Edpuganti
Kimberly Ennico
Yeshim Ergin
Farrokh Farrokhi
Peyman Farzinpour
Mitsuko Feaver
Dennis Finkielstein
Vadim Finkielstein
David Finn
Stephanie Fishkin
Michael Fleisher
Monica Florez
Alina Fridman
Arvin Garg
Jonathan Gerber
Sarah Gershman
Suma Ghanta
Christine Ghoubrial
Dirk Gillespie
Alana Gitomer
R. Goodell
Gopal Grandhige
Andrew Graser
Sumona Guha
Anuj Gupta
Charul Gupta
Indu Gupta
Melody Hakim
Matthew Hall
Josh Hasbani
Carol Haynes
John Heck
Erika Helms
Marc Hochstein
Bradford Holmberg
Cynthia Hsu
Richard Hsu
Yau-Tzu Huang
Allan Hunter, III
Christopher Iorio
Jon Isaacson
Rajesh Jain
Mihir Jani
Donna Jaworsky
Nathan Jayne
Seth Joseffer
Ravi Joshi
Petros Karakousis
Joshua Karlip
Khuram Kazmi
Zafar Khan
John Kim
Soo Kim
Victor Kim
Steven King
Lawrence Kohn
Stacey Kojaku
Julie Koltzoff
Jacqueline Koo
Netta Korin
Elizabeth Kosztolnyik
Julia Kovacs
Paula Kovanic
Jennifer Krawet
Hadley Kruczek
Brijendra Kumar
Alpa Laheri
Leor Landa
Kimberly Lane
Jason Lang
Stephanie Lattin
Edward Lee
Rita Lee
Matthew Lefferman
Nancy Leutz
Bonnie Lepold
David Levine
Diana Lin
Wei Lin
Ryan Littlefield
Gautham Mallampati
Sarah Manchester
Aneel Mandava
Usha Mani
Paul Margiotta
Steuart Markley
Susan Mayer
Setu Mazumdar
Jonathan Meagher
Bradley Medd
Robert Mertz
Daniel Metz
Lloyd Miller
S. Min
Meredith Mona
Michael Mordine
Hyacinth Morgan
Jennifer Morrow
Stefan Muljo
Erica Nathanson
Kevin Neal
Barbara Nepf
Giang Nguyen
Man Nguyen
Anita Nolen
Joseph Oh
Albert Ong
Kathleen Page
Andrew Park
Jong Park
Paul Park
John Peller
Achini Perera
Poonsakdi Ploypradith
Royce Poinsett
Benjamin Poor
James Poush
Philip Psilos
Ross Pulkrabek
Rosemary Quirk
Shweta Reddy
Chen Reis
Joseph Richards
Rick Roe
Todd Rooney
Alison Rosenstengel
Benjamin Runkle
David Russey
Stefano Saccone
Peter Sadow
Hakim Said
David Savolaine
George Schlossnagle, III
Karin Schneider
Roger Schoenman
Michael Schwartz
Naomi Sclair
Christopher Shank
Daniel Shapiro
Rohit Sharma
Ethan Skolnick
Peter Sloane
John Smedley
Daniel Smith
Ethan Smith
Justin Smith
Emily Smith-Lee
Joshua Spencer
Dietrich Steinhuebel
Nicola Sykes
Justin Szlasa
Leizle Talangbayan
Joanna Tang
Mayrav Teller
Shaun Terrill
Bennett Thilagar
Catherine Tokheim
Marc Triola
Richard Tsai
Simon Tsiouris
Gale Tuper, Jr.
Eric Vollmuth
Katja Vontiesenhausen
Deborah Weathersby
James Webber
Robert Wimberly
Donna Wladaver
Candice Wong
Kenneth Wong
Joung Woo
Robert Woods
Meng-Yu Wu
Lisa Yacono
Amir Yamani
Jay Yang
Shelly Yogev

Baccalaureate Candidates in The G.W.C. Whiting School of Engineering Graduating with General Honors

Anver Abdulla
James Anderson
Keith Aschenbach
Peter Baek
Benjamin Baker
Evan Bynum
Daniel Campbell
Joseph Chalk
Sammy Datwani
Martin Davis
Christian Duncan
Gulamali Emadi
Amir Fayazi
Jason Green
David Haber
Adam Hoybtya
Harsh Jain
Nikhil Jathar
Aravindan Kolandaivelu
Peter Kotulak
Scott Kugler
Alison Lai
Seong Lee
Mary Liu
Eric Lowe
Brian Markey
Francis Mataitis
Charles Nass
Huong Nguyen
Maren Olsen
Anit Patel
Mark Perry
Bjorn Ra
Jonathan Rosenfeld
Tricia Rothenboefer
Krista Ruark
Eric Shepp
Eric Shreiber
Katerina Shvartsman
Fouad Siddiqi
Richard Spiro
Steven Stankiewicz
James Stefansic
Albert Su
Jennifer Synowczynski
Jeffrey Thompson
Eric Vigoda
Steven Vitale
Kathleen Vuong
Geoffrey Wise
Ark Wong
Christine Wu
Seung Yoo

Baccalaureate Candidates in The School of Arts and Sciences Graduating with Departmental Honors

Michelle Marie Alessi
Brian Michael Allen
Carla Berg
Lisa Ruth Blackman
Richard Scott Brandt (1/94)
Nina Elizabeth Brown
Richard E. Brummer
Kerry Elizabeth Bruce (1/94)
Joseph Woodward Carlson
Michael Lee Castellano
Aloke Shankar Chakravarty
Derek Oliver Chen (1/94)
Progna Choudhury
Sangeeta Das
Marc Lyle Derosa
Andrew Riggs Dunlap
Bryan Dole Ellis
Kimberly Ann Ennico
Dennis Alexis Finkielstein (1/94)
Vadim Aaron Finkielstein (1/94)
David Scott Finn
Stephanie Lynn Fishkin
Arvin Garg
Christine Ghoubrial (1/94)
Dirk Gillespie
Robert Gregory Goodell
Melody Parvin Hakim
Josh Mayer Hasbani (1/94)
John McCaslin Heck
Bradford James Holmberg
Allan Armstrong Hunter, III
Jon D. Isaacson
Mihir Mahendra Jani (1/94)
Stefan E. Joe-Yen
Joshua Michael Karlip
Gabriel Justin Kaufman
Elizabeth I Kosztolnyik
Hadley Faith Kruczek
Sun-Yung Lee
David Nathaniel Levine
Diana Ping-Cheng Lin
Sarah Heidi Manchester
Erin Michelle Marek
Jonathan Michael Meagher
Daniel Morris Metz
Stefan Adi Muljo
Anita Marie Nolen
Kathryn Mary O'Rourke
Francis Joon Hong Park
Carol Joan Pekarchik
M.Bradley Plecs
Samiya Rashid
Todd Mason Rooney
Benjamin Gordon Runkle
David Lloyd Savolaine
George William Schlossnagle, III
Christopher Brian Shank
John Morgan Smedley (1/94)
Joshua Kaj Spencer
Marcia Clare Sugrue
Justin Szlasa
Richard Z. Tsai (1/94)
Mayrav Judith Teller (1/94)
Catherine Hughes Tokheim (1/94)
My Linh Truong
James Kevin Webber, Jr.
Candice Joy Wong
Robert David Woods
Elias Demetriou Zikkos
Mary Elizabeth Zupa

Graduates from The School of Advanced Studies

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Brian Ellis
Lewis H. Hawk, Jr.
Adrian J. Hurditch
Brian D. McCarthy
Umang Soin
Kimberly Solnov

Baccalaureate Candidates in the G.W.C. Whiting School of Engineering Graduating with Departmental Honors

Anver Abdulla
James Robert Anderson
Andrew Arluk
Peter Sung Jae Baek
Benjamin Baker
Evan Bynum
Daniel Campbell
Gulamali A. Emadi
Amir Hossain Fayazi
Jason W. Green
Adam Kent Hoybtya
Harsh Jain
Nikhil Vithal Jathar
Aravindan Kolandaivelu
Vincent F. Koosh
Alision Lai
Herman Christopher Lawson
Seong Ho Lee
Louis Li-Wen Liu
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Eric Jeffrey Lowe
Brian Markey
Vipul N. Nanavati
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Anit Thakor Patel
Jonathan Rosenfeld
Krista Beth Ruark
Eric Schreiber
Eric Shepp
Katerina R. Shvartsman
Fouad Ahmad Siddiqi
James David Stefansic
Albert Tom Su
Jeffrey Thompson
Steven Vitale
Kathleen L. Vuong
Geoffrey Wise
Christine Mona Wu
Pei-Chin Wu
Seung Schik Yoo

Baccalaureate Candidates in The School of Continuing Studies Graduating with Honors

Molly-Dodd Wheeler Adams
Diana Lee Walcutt Bobbie
Brian Douglas Buchanan
Sandra Dargakis
Kurt Degueyter
Donna Lynn Gilbert
Barbara Jean Goodman
Jesica Lorraine Majewski
Robin Megibow
Patricia Anderson Meyer
Brian Lee Palmer
Martin Pardoe
Vincint Perez

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Keith Edward Aschenbach
David Alan Haber
Peter William Kotulak
Francis Julian Mataitis
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as of May 1, 1994

Bachelors of Arts in The School of Arts and Sciences

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Amy M. Adelman
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Mary S. Ahn
Amit Ahuja
Bret James Akers
Mayeen-Ul Alam
Michelle Marie Alessi
Brian Michael Allen
Melissa Lynn Allen
Katherine Janel Almquist
Christopher Peter Alvares
Khalid Irfan Amin
Niteen Shivkumar Andalkar
Elizabeth Anne Anderson
Jennifer Lynn Anderson
Timothy Wheeler Andrews
Sarah Ilyse Appleman
Patrick Michael Aquilina
Marlene Matucan Aquino
Margaret Kristin Araneo
Michael John Arenth
James David Aronowitz
Vineet Arora
Audrey M. Babics
Rachel Lyn Badovinac
Kelly Jean Baek
Sandra Inkyung Baik
Lance Baldo
Katherine Patricia Baldwin
Kristyn Louise Balsewich
Yaniv Bar-Cohen
Jennifer Suzanne Barr
Ethan R. Bauman
Jan Rey Bautista
Richard Manning Beck
Randy Marc Becker
John Bradley Beckman
Amy Lynne Bennett
Matthew John Bennett
2S. Scott Bennett, Jr.
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Alexander Christiansen Berg
Carla Berg
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Donald Alan Bergstrom
Michal Berkner
Melissa Ann Bernstein
Michael Lyn Bernstein
Douglas Allen Besen
John Colin Bessonette
Rohan Dilip Bhansali
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Niraj Nilkanth Bhatt
Chadwick Donald Bidwell
Jyoti Bijpuria
Lynn Marie Bisignani
Stephanie Michelle Black
Lisa Ruth Blackman
Helenemarie Mirle Blake
William Gregory Bock
Erin Lindsay Bohensky
Bonnie Anne Bollengier
Paula Rebecca Bollers
Willem R. A. Bosma
Rebecca Ellen Boucher
Nell Louise Boyce
Jonathan Richmond Boyer
Bonnie Lynn Brady
Richard Scott Brandt
Joel Stephen Breving
Jason Phipps Brokaw
Annabelle Elizabeth Brown
Brenda Jean Brown
Michael Gregory Brown
Nina Elizabeth Brown
Kerry Elizabeth Bruce
Richard Ernst Brummer
John Walter Buckley
Alfred Paul Burger
Courtney Lee Burnell
David Martin Buscher
Scott Edward Cade
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Beth Anne Cariello
Peter Martin Carignan
Babette T. Carlson
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Keidi Shauna Carrington
Kevin Thomas Carroll
Michael Lee Castellano
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Jason Tsai Chen
Jating Chen
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Steven Chen
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Ankush Kumar Chhabra
Margaret Hui-Lan Chi
Erik Michael Chick
Herbert S. Chien
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Chang Bae Choi
Jonathan Sungyong Chong
Aneesh Paul Chopra
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Calvin Chue
David Kyupom Chun
Marc Alain Chung
Carey-Walter Franklin Closson
Alex S. Cohen
Michael John Colli
Jeffrey David Colvin
Carole Noelle Conner
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Michelle Elizabeth Conroy
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Kristin Ann Corriveau
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Renée Sophia Coulter
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Kara Patrice Dansky
Amy Marie Darmetko
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Suzanne Maria Datto
Sudha Mary David
Lara Davidovic
Eric B. Davis
Ann Marie DeFiglio
Ralph M. deGennaro
Richelyna Brigid Sophia Dennis
Corinne Marie Derderian
Marc Lyle DeRosa
Mark Lewis Desgrosseilliers
Johanna Ruth Dickson
Sonia Succop Dickson
Claudia Ynez DiGiaimo
Tania Maria Di Lisi
Mark E. Dixon
Gerard Elliott Dolan
Rebekah Jennie Doniger
Heather Cailin Donnelly
Alycia Shanley Draper
Maisha Shukti Yvonne Draves
Michelle Lee Dubs
Andrew Riggs Dunlap
Robert James Dunn
Matthew Allen Earl
Renuka Edpuganti
Chukwudubem Osita Egbuniwe
Muhydine El-Jamil
Bryan Dole Ellis
Faith Danielle England
Kimberly Ann Ennico
Yeshim F. Ergin
Katharine Michi Ettinger
Sean Macrae Fairey
David Ping-Chyuan Fang
Farrokh Reza Farrokhi
Peyman Farzinpour
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Michelle Renée Fulwider
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Christine Ghoubrial
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Dirk Gillespie
Linda Ramona Gillespie
Alana Hilary Gitomer
Reuben Gobezie
Jonathan David Goldberg
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Robert Gregory Goodell
Laura Anne Goodwin
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Gopal Sai Grandhige
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Sung Yup Han
Melanie Jean Hanger
Paul Michael Hanna
Krista Alison Hartman
Josh Mayer Hasbani
Clay Hardy Haskell
Jennifer Anastasia Haussler
Lewis Herbert Hawk
Carol Claudine Haynes
Joshua David Hecht
John McCaslin Heck
Erika Katherine Helms
Lisa Ellen Hensley
Taria Bettina Herz
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Hahn Huang
Yan Tzu Huang
Kimberly Ann Hudgins
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Adrian John Hurditch
Michelle Patricia Hurley
Yoonah Hwang
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Andrea Michelle Ireland
Diosdado Michael Adapon Irlandez
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Timothy Wayne Johnson
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Zafar Saleem Khan
Edmon Pierre Khoury
Cho Won Kim
Do Guyn Kim
George Kim
Jeff Y. Kim
John Young Kim
Soo Hang Kim
Victor Kim
Steven Douglas King
Elvira Alexandra Kisish
Kimberley Helayne Klein
Khristian Kline
David H. Ko
Geoffrey Adam Kohart
Lawrence Howard Kohn
Stacey Kiyomi Kojaku
Julie Koltzoff
Jacqueline Tsun-Shui Koo
Netta Korin
Elizabeth Irene Kosztolnyik
Julia Teresa Kovacs
Paula Antoinette Kovanic
Jennifer Beth Krawet
James Levin Kreindler
Hadley Faith Kruczek
Joseph Brendon Kruk
Monika Vijaykumar Kulkarni
Brijendra Kumar
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Jim Lai
Tung N. Lai
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Jason Edward Lang
Stephanie Tara Lattin
Rachel Elizabeth Ann Laudadio
Jon Edwin Leatherbarrow
Charles Y. Lee
Clara Ann Lee
Edward Jung Lee
Frances Sunhay Lee
Margaret Mahn Lee
Mark Anne Lee
Rita Shi-Ming Lee
Sun-Yung Julian Lee
Matthew Greg Lefferman
Nancy Ann Lentz
Eric William Leonard
Bonnie Jean Lepold
David Nathaniel Levine
Alvin Chih-Hun Lin
Diana Ping-Cheng Lin
Jenny C. C. Lin
Wei Chi Lin
Yu-Chie Lin
Dalia Sharon Lisker
Ryan Scott Littlefield
Margaret Kathleen Loeffert
Johanna Elizabeth Lohr
Nicole Shawn London
Hallie Gayle Ludsin
Aimee Adiutori Machado
Jennifer Elizabeth MacLean
Jody Madala
Brian Justin Mailloux
Rakesh Malik
Gautham Krishna Mallampati
Sarah Heidi Manchester
Aneel Mandava
Peter Alexander Mangiafico
Richard Shane Mangus
Usha Shanthini Mani
Allison Robin Maranz
Erin Michelle Marek
Paul William Margiotta
Vivian Wei Mun Mark
Steuart George Markley, Jr.
Susan Alessandra Mayer
Setu Shubhang Mazumdar
Steven Philip McArdle
Willis Bret McCabe
Brian Devin McCarthy
Charles Joseph McCarthy III
Kevin Gondim McCarthy
Dennis Joseph McDonald
Bryan Douglas McElroy
Cortright Wallace McMeel
Killian Margaret Michael McNulty
Ursula Ann McVeigh
Jonathan Michael Meagher
Bradley Cornelius Medd
Tejas Navnit Mehta
David Candelario Mena
Robert H. Mertz
Daniel Morris Metz
Aparna Mikkilineni
Bret Miller
Jonathan Pett Miller
Lloyd Scott Miller
S. Timothy Min
Neil Roger Minsky
Ajay Jayant Mirani
Ashis K. Mohapatra
Gregg Mitchell Mokrzycki
Joseph Ronald Molko
Meredith Lisa Mona
Kenneth Charles Montague III
Elizabeth Trask Montgomery
Amy Hoa Moore
Michael Jonathan Mordine
Hyacinth Beverly Morgan
Christopher Charles Morrison
Michael Morrone
Jennifer Sae Morrow
Bahar Moussavian
Stefan Adi Muljo
Stephen James Murphy
Michael Patrick Murray
Joseph Chi-Sung Myung
Prabal Nandy
Uday N. Narahari

Erica Diane Nathanson
Kevin Michael Neal
Efron Jules Nelken
Barbara Jean Nepf
Diem Khue Nguyen
Giang Truong Nguyen
Man Minh Nguyen
James Joseph Nicholson
Jennifer Rebecca Noah
William Edward Nolan
Anita Marie Nolen
Sean Michael O'Donnell
Joseph Oh
Hidemi Oka
Mogbeyi Ekeme Omatete
Albert Michael Ong
Daniel Frederick Organek
Kathryn Mary O'Rourke
Lyle Wilfred Ostrow
Michael Richelle Horvath Owens
Kathleen Raquel Page
Rosa Liliana Palacios
Dipak Panigrahi
Andrew SungJae Park
Francis Joon Hong Park
Johnny Park
Jong Han Park
Paul Won Park
Sue Myung Park
Justin Andrew Parke
Rajul Arvind Patel
Shital Rasik Patel
Atul Pathiyal
Asit Patnaik
Heidi Alice Pearson
Carol Joan Pekarchik
John Jacob Banks Peller
Lily Ming-Ling Peng
Achini Champa Perera
Renata Azevedo Perrone
Kate Byxbe Pessin
Kourosh Peterhansl-Schive
Christine Anne Petersen
Gwendolyn Nguyen Phan
Brian Thomas Piccola
Jacob Pine
Joshua Simon Pinkert
M. Bradley Plecs
Poonsakdi Ployprادith
Royce Pabst Poinsett
Edward Anthony Pontee
Benjamin Henry Poor
James Robert Poush
Priya Prabhakar
Philip Edward Psilos
Penny Sarina Pugach
Ross Whiting Pulkrabek
Rosemary Albina Quirk
Karen Anne Rajnik
Kadisha Bonita Cecilia Rapp
Samiya Rashid
Richard Lawrence Rauschmeier
Shweta Kaswaram Reddy
Ronit Deborah Reguer
Chen Reis
Tara Marie Reischel
Robert Peter Restuccia
Joseph Michael Richards
Gregory J. Riely
Ryan T. Rippin
Samuel Richard Robb III
Leticia Maria Rodríguez
Richard Ho Roe
Nicholas John Romagnoli, Jr.
Todd Mason Rooney
Sharon Elizabeth Rose
Alison Faye Rosenstengel
David Evan Ross
Michael John Rotay
Brandon Alan Rotbart
Diana Roth
Andrew Ivan Roy
John Walter Edward Roy
Benjamin Gordon Runkle
David Fredric Russey
Tonya Rutherford
Patricia Marie Ryan
Stefano M. Saccone
Peter Mark Sadow
Mitali Saha
Hakim K. Said
Eric Mark Saldanha
Adwoa Ayo Sanderson
Manisha Arvind Saraf
William Quirk Sargent, Jr.
Christina Anne Saudek
Rebecca Maria Savage
David Lloyd Savolaine
Matthew Yung Schinella
George William Schlossnagle III
Christopher John Schmidt
Karin Elise Schneider
Roger Schoenman
Eben Arth Schwartz
Jonathan Roger Schwartz
Michael Andrew Schwartz
Naomi Judith Sclair
Nitin Seam
Robert Marshall Searles
Girish Sethuraman
Meetul Vibhakar Shah
Christopher Brian Shank
Daniel L. Shapiro
Rohit Ramesh Sharma
Erica Leigh Shelley
Toya Denise Sherrill
Menashe Shua
Frank Sifakis
Ethan Russell Skolnick
Stephanie Lauren Slawek
Peter Sloane
John Morgan Smedley
Daniel Bround Smith
Ethan Weston Smith
Justin S. Smith
Stephanie Denise Smith
Emily E. Smith-Lee
Umang Kaur Soin
Kimberly Solnov
Thomas Miller Somers
Carol Lynn Soskin
Maura Logue Sparks
Joshua Kaj Spencer
Walter Jackson Stark III
Stephen Andrew Starr
Brian Jay Stavrides
Alexandra Leah Stavsky
Dietrich Philip Steinhuebel
Corin Renée Stone
Eric Su
Marcia Clare Sugrue
Jung Whun Suh
Sarah Sulaiman
Jane Sumergrade
Jodie Karen Sykes
Nicola Jane Sykes
Justin A. Szlasa
Yuka Takagi
Leizle Estrada Talangbayan
Joanna Tang
Mayrav Judith Teller
Kevin Ta-Hong Teng
Shaun Leland Terrill
Shalu Thakral
Bennett Arul Thilagar
Desencia Elizabeth Antwine Thomas
Brian William Tobin
Catherine Hughes Tokheim
Michael Scott Anthony Tolen
Marc M. Triola
Vittorio Trionfi
My Linh Truong
Richard Z. Tsai
Simon John Tsiouris
Gale Timothy Tuper, Jr.
Anjanette Leigh Ungaretti
Sari Kristin Uricheck
Krishna Prasad Vallabhaneni
Thanh Van
Marleen Frederiek van Kammen
Jason Gupit Velasco
Bernardino Rene Velasquez
Michelle Susanne Velden
Neil F. Veloso
John Walter Venskus
Douglas Winters Vey
David Anthony Vicic
Mónica María Villacrés Ávila
Eric James Vollmuth
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Douglas Kent Vos
Alexander Wadkovsky
Alexandre Yautin Wang
Celestia N. Ward
William Francis Warren
Deborah Jane Weathersby
James Kevin Webber, Jr.
Li Ann Wee
Kimberly Anne Wegbreit
Andrea Denise Wenger
Caroline Lisa Werner
Barbara Anne White
Spencer Ross White
D. David Wielech
Matthew Fuller Wilhoit
Jeffrey Michael Wills
Robert Lane Wimberly
Conrad Winslow Windisch
Aileen Sandra Winquist
Matthew D. Winter
Donna Joan Wladaver
Anny Wohn
Emma Louise Wolford
Candice Joy Wong
Kenneth Kan Tin Wong
Joung H. Woo
Benjamin Thomas Woodard
Timothy Wendell Woodard
Robert David Woods
Tanya Le-Vette Wooldridge
Jennifer Karen Wormuth
Johnny Wu
Meng-Yu Wu
Patricia Wu
Stanley Wu
Lisa Marie Yacono
Amir Yamani
Natasha Kaori Yamaoka
Jay Yang
Michael Sean Yang
Shelly Yogev
John K. Yoo
Bill Byoung Suk Yoon
Jeong-Min Yoon
Jonathan Richard Young
Son Ha Yu
Jacob Wilson Zeiders
Marney Lynn Zell
Elias Demetriou Zikkos
Ira Daniel Zubkoff
Mary Elizabeth Zupa
Kevin John Zygmontas

Special Bachelors of Arts in The School of Arts and Sciences World War II Program

In order to prepare young men for military or professional services as promptly as possible during the Second World War, The Johns Hopkins University adopted the recommendation of the American Medical Association to offer an accelerated premedical curriculum that would prepare students for admission to medical school. This student participated in this program in the 1940's and went on to receive a medical degree, but did not receive his bachelors diploma, which is being granted today.

Harry Davis Abell, Jr.

Bachelors of Science in Biomedical Engineering in The G.W.C. Whiting School of Engineering

James Robert Anderson
Peter Sung Jae Baek
Asheesh Barman
Heather Kay Baston
Soumit K. Basu
Joseph Robert Bergan III
Eric E. Bleich
Lucas Marshall Busby
David James Caruso
Samir Govind Chaudhari
Tony Gil Wong Choi
Jessie Bella Chou
Robert F. Collins
Michael A. Dayton
Richard Desarmes
Christopher Franklin Drum
Gulamali Atahusain Emadi
Faisal Faruque
Amir Hossain Fayazi
Adam Kent Hoyhtya
Johnnie W. Huang
Léonel Alexandre Hunt
Harsh Jain
Ray Hao-Bing Jan
Nikhil Vithal Jathar
Aravindan Kolandaivelu
Mark J. Kruger
Gordon Kahang Lai
Eric Lancaster
Seong Ho Lee
Eugene Weijen Lin
Melissa Yi-Liang Lin
Mary Rei-Chi Liu
Malcolm Munson Lloyd
Eric Jeffrey Lowe
Lena Nerjis Malik
Ari Moskowitz
Arthur Jung Nam
Vipul Naren Nanavati
Reid Nelson Orth
Anit Thakor Patel
Krinna Dilip Patel
Shreya Kanti Patel
Luon Wei Peng
Mark Franklyn Perry
Martin Keith Powell
Jonathan Frederick Rosenfeld
Robert Kenneth Schoen
Katerina R. Shvartsman
Fouad Ahmad Siddiqi
Richard M. Spiro
James David Stefansic
Albert Tom Su
Peter Morhan Sun
Gerald Edward Sylvester
Yasuharu Takagi
John Anthony Tymkewicz
Kathleen L. Vuong
Brad Ming Wang
Jerray Wei
Christine Mona Wu
Seung-Schik Yoo

Bachelors of Science in Chemical Engineering in The G.W.C. Whiting School of Engineering

Lisa Francesca Ansanelli
Robert W. Apollo
James Elwood Armstrong IV
Gregory Kenyon Burdick
Jeanne Grace Chun
Astrid Vanessa Clarke
John Michael Collins
Sammy Sital Datwani
Daniel S. Eisemann
John William Finnie
Jennifer Lynn Geiger
Paul Martin Hinderliter
Rebecca Ann LePosa
Eric Hunter Shreiber
Mark Ebul Stacey
Allison L. Steiner
Misti Ushio
Steven Arthur Vitale
Kathy S. Wirt
Geoffrey Marc Wise

Bachelors of Science in Civil Engineering in The G.W.C. Whiting School of Engineering

Anver Baba Abdulla
Cristina Maria Baltazar
Cecilia Xiao Chen
David Anthony Dante
Sharon Mary Horng
John Michael Householder
Jeffery Clay Lewis
Timothy Edward Mattes
Michael Alexander McDermott
Robert Marcus Mourlas
Carol Lynn Moylan
Kalyna Marta Nedilsky
Bjørn Ra
Louis J. Sabad
Eric Brian Shepp
Pamela Jane Shultz
Aline Henry Sislian
George Steve Stamoulis
Andrew Christian Stephan
Jeffrey David Thompson

Bachelors of Science in Computer Science in The G.W.C. Whiting School of Engineering

Evan Hewer Bynum
Christian Alexander Duncan
Andrew Spencer Freeman
Alison Twan Lai

Bachelors of Science in Electrical Engineering in The G.W.C. Whiting School of Engineering

Zolkarnain M. Abdullah
Andrew E. Arluk
Bryan Christopher Arntson
Christopher David Audley
Robert Elmer Creager
Phillip Aaron Eichensehr
Rotem Laszlo Abraham Elgavish
Jason William Green
Christopher Hawley Gregg
Gregory David Heiger
Richard Scott Hochron
David Yie-Sin Hong
Robert Joseph Jones
Vincent Frank Koosh
Albert Kyung-Ho Lee
Louis Li-Wen Liu
Kevin A. Long
Teh-Kuang Lung
Jin Sung Park
John Joseph Pollock
Krista Beth Ruark
Stephen Derek Seabury
Mark Morson Tramontozzi
Ark Chew Wong
Spiro N. Zefferys

Bachelors of Science in Materials Science and Engineering in The G.W.C. Whiting School of Engineering

Noel Patrick Corcoran
Aladar Alexander Stephan Csontos
Peter George Mikhail
Loren Wellington Rieth
Jennifer Synowczynski

Bachelors of Science in Mathematical Sciences in The G.W.C. Whiting School of Engineering

Matthew Debari Junge
Maren Karine Olsen
Tricia Ellen Rothenhoefer
Anuj A. Shah
Eric Joseph Vigoda
Pei-Chin Wu

Bachelors of Science in Mechanical Engineering in The G.W.C. Whiting School of Engineering

Benjamin Philip Baker
Daniel Justin Barvenik
Daniel Peter Campbell
Eric Kang
Roopa L. Kanthan
Scott Lee Kugler
Brian Allen Markey
Deirdre Ellen McKeown
Gavin Robert Mish

Sudarshan Narasimhan
Kenji Okuno
Steven John Stankiewicz
Orah C. Weisberg

Bachelors of Arts in The G.W.C. Whiting School of Engineering

Jasmine Chu
Zackary Troy Faber
Dharshan Munidasa

Bachelors of Arts in Biomedical Engineering in The G.W.C. Whiting School of Engineering

Robert Eric Bruce
Rakhi Jain
Cecilia Vanesa Mendez
Huong Diem Nguyen

Bachelors of Arts in Computer Science in The G.W.C. Whiting School of Engineering

Robert B. DeLaCruz

Bachelors of Arts in Geography in The G.W.C. Whiting School of Engineering

Elisabeth Johanna Filar

Bachelors of Arts in Mathematical Science in The G.W.C. Whiting School of Engineering

Aaron Goldenberg

Bachelors of Civil Engineering in The G.W.C. Whiting School of Engineering

Keith Edward Aschenbach
Joseph Howard Chalk; B.A. University of Maryland-Baltimore County, 1990.
Zacharia Yosef Fisch
Peter William Kotulak; A.A. Cuyahoga Community College, 1980; B.S. Cleveland State University, 1982.
Charles Frederic Nass; B.S. Towson State University, 1988.
Steven Michael Sullivan; A.S. Johns Hopkins University, 1991.
Richard Paul West; A.A. Essex Community College, 1985.
Kenneth Scott Wilson

Bachelors of Electrical Engineering in The G.W.C. Whiting School of Engineering

Bernard William Blubaugh; B.A. University of Maryland-Baltimore County, 1979.
Kenneth Alan Chmielewski; A.A. Catonsville Community College, 1991.
Glenn Lawrence Cooper
James Claude Gaskin; A.S. Johns Hopkins University, 1990.
David Alan Haber; A.S. Pensacola Junior College, 1982; A.A. Johns Hopkins University, 1991.
Bernard Karmilowicz; A.A. Howard Community College, 1989.
Richard Wayne Libra
Robert Kent Long; A.A. Catonsville Community College, 1989.
Francis Julian Mataitis
Timothy J. Maxwell; A.S. Catonsville Community College, 1987.
David Lee Scrivener
Joseph Andrew Strakna; A.A. Howard Community College, 1978; A.S. Johns Hopkins University, 1990.
Daniel Kevin Tucker; A.A. Essex Community College, 1988.

Bachelors of Mechanical Engineering in The G.W.C. Whiting School of Engineering

Martin Gene Davis; B.S. North Carolina State University, 1980.
Keith Louis Grayson
William Michael Kirlin III; B.S. Towson State University, 1979.
Raymond Joseph Majchrzak
Dirk Nordling
James Wayne Wollenweber

Performer's Certificates in The Peabody Conservatory of Music

Rhonda B. Abouhana. Voice.
Lawrence W. Jones. Trumpet.
Erik Michael Leveille. Violin.
Holly E. Mulcahy. Violin.
Anna Dorothea Vogel. Viola.

Bachelors of Music in The Peabody Conservatory of Music

Rhonda B. Abouhana. Music Education.
Susan Alai. Piano.
Lloyd Paguia Arriola. Piano.
Kenneth E. Ascher. Clarinet.
James Zuill Bailey. Violoncello.
John David Baker. Recording Arts and Sciences.
Christopher M. Bentivegna. Voice.
Harold Christian Bernhard II. Horn.
Kimberly Donohue Boardman. Clarinet.
Christopher F. Borgmeyer. Trombone.
Jeffrey Paul Budryk. Violoncello.
Audrey Ann Causilla. Piano.
Pei-Chun Chao. Violoncello.
Wendy Chen. Piano.
Joel Aaron Dallow. Violoncello.
Marci Erin Daniels. Voice.
Karen Elizabeth DiYanni. Violin.
Dawn Astrid Espinosa. Guitar.
Laurie Hungerford Flint. Voice.
Aaron Thomas Gee-Clough. Saxophone and Recording Arts and Sciences.
Eboli Tristana Giannini. Violoncello.
Inge Handojo. Piano.
Andres Hidalgo Acuna. Guitar.
Ulrike Huhs. Voice.
Charles Jesse Hulin IV. Piano.
Todd Bryson Hulslander. Trombone.
Lawrence W. Jones. Music Education.
Min Kyung Kang. Voice.
Brenda Diane Kellogg. Horn and Music Education.
Jane Jung-Shun Kim. Violoncello.
James Craig Kirkland. Viola.
Heidi Lynn Kitten. Oboe.
Saska Korzenska. Violin.
Asako Kuboki. Violin.
Jennifer Corrine Lawyer. Music Education and Trumpet.
Erik Michael Leveille. Music Education.
Liang Wei Chung Paul. Piano.
Jung Won Lim. Piano.
David Edward Macsisak. Organ.
Lawrence Vincent Manchester. Percussion.
Martha Anne Masters. Guitar.
Benjamin David Matis. Voice.
Amy Elizabeth McDougal. Flute.
April Milbert. Clarinet.
Duane Adolph Moody. Voice.
Holly E. Mulcahy. Music Education.
Jeannette E. Mulherin. Voice.
Hirofumi Noguchi. Trumpet.
James Scott Norton. Recording Arts and Sciences.
Nyenpu Byrl Nyomo. Voice.
Je Youn Park. Violin.
David J. Pasbrig. Piano and Recording Arts and Sciences.

Joseph M. Piccolo. Double Bass.
Yoo Jung Pyun. Violoncello.
Cheri Lynn Reiser. Voice.
Angela L. Revis. Recording Arts and Sciences.
Matthew Kaleel Sakakeeny. Guitar.
Andrew Joel Shaud. Violoncello.
Eun-Jung Shon. Piano.
Dariusz Skoraczewski. Violoncello.
Nicole Staniszewski. Music Education and Voice.
David Roger Stebbing. Voice.
Mark H. Stebbins. Recording Arts and Sciences.
Lisa Anne Stump. Voice.
Kuang-Ching Sung. Trombone.
Joanna Hsin-Ju Ting. Piano.
Chun-Ru Wei. Piano.
Debra Lynne Weinberg. Clarinet.
Yael Weiss. Piano.
Sandra Lynn Wright. Piano.

Bachelors of Science School of Nursing

John Hudson Acker
Karen Lee Anderson
Frederick Dennis Bailey
Jeffery Clarke Baldwin
Daniel Charles Baral
Renee Carol Benkowitz
Deirdre Fiona Benzing
Bethany Richardson Berry
Laura Ann Briggs
Julianna Brvenik
Kathy M. Brzostek
Laura Bazzell Burchell
Nora Marie Buzek
Deborah Carr
Colleen Ann Clark
Annette Yvonne Coady
Carolyn Diane Cobel
Doreen Linda Collins
Elizabeth Johanna Cooke
Suzannah Miriam Crist
Catharine Cruttenden
Susan Faith Debs
Mary L. Dempsey
Susan Marie Dowling
Robert Joseph Eisenberg
Ethel Centeno Fernando
Elizabeth Browne Fleming
Mary E. Garofalo
Savitri Maria Ariosa-Gauthier
Christia Marie Giles
Ronald Lee Haughn
Julie Marie Henry
Monica Jamison Hughes
Jennifer D. Hyndman
Stacy S. Jarvis
Mechelle Ann Jones
Sarah Littman Kanchuger
Anna Kartalia
Kathleen Ann Kiernan-Pownall
Linda Leitch
Theresa Lynn Libershal
Michele Anne McComas
Catherine Lee Michaelis
Sharon Marie Mowbray
Maximillia Nakayima Muguluma
Paula Gabig Murphy
Jacqueline Kimberly Myers
Tanya L. Parker
Jill C. Prevas
Rebecca May Querry
Erin Elizabeth Reilly
Carey Binnicker Robeson
Ruth Margaret Rogerson
Kari Anne Rosemond
Robin Reichelle Rudd
Lucia A. Schliessmann
Ilze Sikorski
Renee Thayer Soulis
Annmarie Spong
Lisa Squires
Deborah Jean Stiner
Vivian Wai Szeto
Sandra Waimun Tang
Deidre Anne Thompson
Kristen Lyn Tiley
Kathleen M. Verdon
Jennifer Susan Walrath
Jennifer Gail Waugh
Linda Mae Wise

Bachelors of Science in The School of Nursing Class of July 1994

The following candidates for the baccalaureate degree will receive their degrees in July, 1994 upon successful completion of graduation requirements.

Anne Louise Allen
Linda Marie Ashburn
Rita Bahl
Deborah Jean Boehm
Lori Ann Bower
Karen Marie Brown
Stewart Hamilton Butterworth
Irene M. Callahan
Theresa Lynn Carter
Kimberly Anne Clash
Nancy Beth Cooney
Carolyn Goldbeck Darrehmane
Bayani Canlapan Dilag
Robin Andrew Evans-Agnew
Lesley Farkas
Carol Jakubowski Fitzpatrick
Mary Kathleen Florenzo
Pamela Lynn George
Lynne M. Giordano
Nancy Ellen Glass
Michelle Suzanne Gongloff
Brenda Benjamin Hall
E. J. Candace Ham
Katharine McCauley Harkins
Shelley Renee Garfield-Harris
Patricia Ann Heinlen
Lana Kristine Ivashin
Tricia Marie Jolin
Jennifer Lindstrom Kelleher
Michael James William Kenny
Kristin Eileen Koprowski
Holly Forrest Kosten
Ann Larsen
Shelley Ledray-Bornkamp
Anne Ensor Lewis
Tina Marie Love
Stephanie Ann Luci
Laura Marie Lyford
Shari Joy Lynn
Lesley Hubbard Macci
Michele Victoria Matthews
Rene Elizabeth Maycock
Fatemeh Vidjeh Molling
Melissa Wells Moore
Jane Offei-Darko
Melissa Love Patton
Brigitte Elise Pichot
Stacey G. Pietruszynski
Pamela Jean Prindle
Michele K. Rizza
Kimberly Ann Romer
Kienanga Ann Saka
Tiffany Nicol Schaefer
Catherine Mary Smith
Sarah Todd Strachan
Melora Conis Struntz
Laura Beth Taylor
Timothy McDaniel Teeter
Sheila G. Tom
Susan Dianne Turner
Suzanna Vieira
Eileen Mary Villa
Julie K. Vossler
Kimberly Lynnette Walter
Edward Joseph Wason
Lisa Marie Watlington
Lorraine Marie Mowers Weil
Susan Antoinette Wells
Lois Ann Wessel
Jennifer Rae West
Delores Doughty Winborne
Patricia Joy Wonnell
Julie Anne Zuydhoek

Associates of Science in The School of Continuing Studies

James A. Baldridge
James Craig Bowen
Donald Christopher Canter
Martijn Pieter Adam de Boer
Holly Ann Ellis; B.S. Tulane University, 1987.
Joseph Armand Gauthier
Laura K. Haughton; A.A. Howard Community College, 1983.
William Roy Rhodes
Jacqueline Therese Schrenker-Case
Tracy Valentine Sheppard
William John Siperek
Gene Leonard Thacker
William Douglas Tice; A.A. Catonsville Community College, 1991.
Michael Allen Zagami; A.A. Catonsville Community College, 1986.

Bachelors of Liberal Arts in The School of Continuing Studies

Molly-Dodd Wheeler Adams; Humanities
Carol Ann Applegate; Psychology
Diana Lee Walcutt Bobbie; Social Sciences.
Eileen Timms Doll; Social Sciences.
Veronica Ferraiuoli; Social Sciences.
Bruce Stanley Karner; Social Sciences.
Robin T. Megibow; Humanities.
Jordan H. Ray; Social Sciences.
Jeremy Henry Flagg Sykes; Social Sciences.

Bachelors of Science in The School of Continuing Studies

Angela Lynette Banks; A.A. Villa Julie College, 1989. Business.
Brian Douglas Buchanan; A.A. Essex Community College, 1985. Business.
Sandra Jean Calvert; A.A. Essex Community College, 1988. Business
Brent Nial Campbell; Business.
Sonia Beatrice Carter; Physical Science.
Sandra Dawn Dargakis; A.A. Dundalk Community College, 1987. Business.
Kurt Anthony Degueyter; Business.
Joyce Elaine Downs; Business
Mary Margaret Emenheiser; Business.
Diane Claire Fleming; Business.
Cecilia Anne Ford; Business.
Dolores Wasson Gall; A.S. Scott Community College, 1974. Physical Science.
Geraldine V. Galloway; Life Sciences.
Kevin J. Gardner; Humanities.
Calvin William Gholston; A.S. Catonsville Community College, 1981. Psychology.
Donna Lynn Gilbert; A.A. Harford Community College, 1983. Business.
Barbara Jean Goodman; Business.
Kimberly Ann Hindle-Howard; A.A. Essex Community College, 1990. Business.
Sandra Lynne Jenkins; A.A. Community College of Air Force, 1992. Business.
Brian Theodore Jones; A.S. Johns Hopkins University, 1991. Mathematics.
Daphne Estelle Klautky; Business.
Cynthia Lee Little; Business.
Jessica Lorraine Majewski; Liberal Studies.
Robins Rudolph Mapp II; Business.
Lynda Carole McCormick; Social Sciences.
Patricia Anderson Meyer; A.A. Villa Julie College, 1964. Business.
Gary Richard Musser; Mathematics.
Nina Murphy Orloff; A.A.S. State University of New York at Farmingdale, 1975. Business.
Bryan Lee Palmer; Business.
Martin P. Pardoe; A.A. Anne Arundel Community College, 1986; A.A. Catonsville Community College, 1992. Business.
Vincent Michael Perez; Business.
Earl C. Renner; Business.
Barbara L. J. Rieve; A.A. Howard Community College, 1987. Business.
Daryl Joyce Robinson; Business.
Pamela Morgan Smith; Business.
Shelley Denise Strickland; Business.
Kendell Gale Taylor; Business.
Anita Michele Tilotta; A.A. Harford Community College, 1983. Business.
Helen Theresa Topper; Life Sciences.
Allan Joseph Weiss; Business.
Jeffrey Raymond Zeman; Business.

Masters of Science
in The School of Continuing Studies

Rominsahar Abdullah; *B.B.A. George Washington University, 1989. Business.*

Susan Elizabeth Adams; *B.S. University of Kansas, 1992. Education.*

Gary Charles Adler; *B.S. Trenton State College, 1987. Business.*

Jill Rachel Adler; *B.S. Towson State University, 1987. Applied Behavioral Science.*

Janice Marie Altieri; *B.S. Union College, 1991. Marketing.*

Doris Andrews-Morgan; *B.A. Morgan State College, 1964. Education.*

April Lynne Arford; *B.A. Goucher College, 1987. Education.*

Victoria Lynn Arndt; *B.S. Lehigh University, 1990. Business.*

James B. Arnold; *B.S. Miami University, 1990; B.S., 1991. Business.*

Samanju Beena Arora; *M.A. Punjab University, 1970. Education.*

Sonya Anita Arrington-Johnson; *B.A. American University, 1974. Business.*

Catherine Patel Artman; *B.A. University of Virginia, 1991. Education.*

Laurie Kathleen Ascenzi; *B.S. James Madison University, 1987. Education.*

Anjanette Asenjo; *B.A. University of Puerto Rico, 1987. Education.*

Sharon Ann Atkinson; *B.A. St. Louis University, 1970; M.S. University of Nebraska-Omaha, 1972. Education.*

Sharon Lynne Attaway; *B.A. Salisbury State College, 1986. Business.*

Doris Ann Austin; *B.A. Ohio State University, 1979; M.A.S. Johns Hopkins University, 1986. Education.*

Charlene Nerona Ayers; *B.S. University of the West Indies, 1991. Business.*

Henry Wilkins Ayres III; *B.S. George Mason University, 1987. Business.*

Robert J. Baker; *B.S. Towson State University, 1978; M.S., 1980. Business.*

Francis Gregory Baldwin; *B.S. Mount St. Mary's College, 1979. Business.*

Janine E. Ballou; *B.S. University of Maryland, 1991. Business.*

Ann Heintzelman Barbagallo; *B.S. University of Maryland, 1970. Business.*

Nancy Spear Barnes; *M.S. Towson State University, 1973. Business.*

Michael J. Barrett; *B.S. California State University, 1982; M.A. St. John's College, 1992. Business.*

Debra Ann Bartlett; *A.A. Dawson Community College, 1978; B.S. University of Montana, 1982. Interdisciplinary Science Studies.*

Lynne Marie Bartlett; *B.S. University of Delaware, 1989. Education.*

William James Bartz; *B.A. Lawrence University, 1986; M.S., 1988. Business.*

Mary Michele Batten; *B.S. University of North Carolina-Greensboro, 1989. Education.*

Janice Shapiro Bauroth; *B.A. University of Richmond, 1988. Business.*

Steven Timothy Mario Bavett; *A.A. Essex Community College, 1986; B.S. Johns Hopkins University, 1992. Applied Behavioral Science.*

M. Constance Stadler Bay; *B.S. Towson State University, 1979. Applied Behavioral Science.*

Samuel Bernard Bayne, Jr.; *B.S. Towson State University, 1985. Business.*

Frances Antonucci Beard; *B.S. University of Maryland-University College, 1985. Applied Behavioral Science.*

Paul Juan Beckham, Jr.; *B.A. Howard University, 1976. Business.*

Michelle Yvette Becote; *B.A. Goucher College, 1987. Business.*

Sharon Lynn Bednar; *B.B.A. Loyola College, 1989. Business.*

Carolynn Corinne Bell; *B.A. Colby College, 1989. Education.*

Sherry L. Bell; *B.S. University of Maryland, 1990. Business.*

Megan Susan Bellanca; *A.S. Finger Lakes Community College, 1987; B.S. State University of New York at Brockport, 1991. Education.*

Lelia Ann Benjamin; *B.A. Federal City College, 1974. Education.*

Susan Littlejohn Berry; *B.A. Lafayette College, 1989. Education.*

Karan Ann Bevers; *B.S. Towson State University, 1987. Education.*

Frederick Thomas Billig; *B.A. University of Maryland, 1988. Business.*

Patricia DiLuchio Billig; *B.S. University of Maryland, 1990. Education.*

Lisa A. Biordi; *B.A. College of William and Mary, 1978. Business.*

Lorianne Bitterman; *B.S. St. Bonaventure University, 1991. Education.*

Ahmad Mohamad Bizri; *A.S. Miami-Dade Community College, 1982; B.A. University of Maryland, 1989. Business.*

John Andrew Black, II; *B.A. Loyola College, 1984. Business.*

Martha S. Black; *B.S. Towson State University, 1988. Interdisciplinary Science Studies.*

Catherine McNiff Blair; *B.A. Western Maryland College, 1987. Applied Behavioral Science.*

Constance Cropp Blair; *B.S. Bryan College, 1975. Education.*

Mary Frances Blatchley; *B.A. University of Delaware, 1989. Business.*

Linda Diane Block; *B.A. Western Maryland College, 1984. Interdisciplinary Science Studies.*

Steven Douglas Blum; *B.S. University of Nebraska, 1985. Business.*

Tess Wolin Blumenthal; *B.S. James Madison University, 1976. Education.*

Kathleen Ann Bober-Chronowski; *B.A. West Virginia University, 1986; B.A. Point Park College, 1989. Education.*

Linda Scott Bongiovano; *B.S. Indiana University of Pennsylvania, 1979. Business.*

Annette Verniece Boone; *B.S. Towson State University, 1981. Education.*

Mary L. Boss; *B.A. Cardinal Cushing College, 1969; B.S. Southeastern University, 1985. Education.*

Rodney Gerald Bourn; *A.A. Essex Community College, 1985; B.S. Towson State University, 1988. Applied Behavioral Science.*

Cynthia Ann Bowers; *B.B.A. Loyola College, 1989. Business.*

Susan Stargell Boyne; *B.S. University of Maryland, 1971. Education.*

Katherine JoAnne Brand; *B.S. University of Baltimore, 1985. Business.*

Linda O'Mara Brandenburg; *B.A. College of Notre Dame of Maryland, 1988. Education.*

Gary Louis Bratthauer; *B.A. University of Wisconsin-Milwaukee, 1975. Interdisciplinary Science Studies.*

James Albert Brenton; *B.B.A. Washburn University of Topeka, 1970; M.B.A. University of Missouri-Columbia, 1974. Business.*

Marsha C. Brett; *B.S. Towson State University, 1987. Education.*

Sayonne Bonique Bright; *B.S. Bennett College, 1990. Business.*

Ellen Maria Brodie; *B.S. Rutgers University, 1985. Real Estate.*

Brenda Kaye Brown; *B.A. University of Florida, 1972. Education.*

Debby Sue Brown; *B.A. California State University-Domingnez Hills, 1973. Business.*

Sheila Jean Brown; *B.S. Metropolitan State College of Denver, 1987. Business.*

Darcy Elizabeth Brudin; *B.A. St. Mary's College of Maryland, 1991. Business.*

Thleia Robyn Buchanan; *B.A. St. Mary's College of Maryland, 1989. Education.*

Margaret Dee Buckingham; *B.S. University of Maryland, 1976. Business.*

Kristen Elise Burke; *B.S. College of Notre Dame of Maryland, 1991. Education.*

Susan Marie Burris; *B.A. College of Notre Dame of Maryland, 1984. Business.*

Renitta Burt; *B.S. North Carolina Agricultural and Technical State University, 1986. Business.*

Robin Lynn Burton; *B.S. University of Baltimore, 1985. Business.*

Sandra Gjelhaug Byrnes; *B.S. McNeese State University, 1977. Education.*

Kathleen Marie Cahill; *B.A. University of Delaware, 1991. Business.*

Kristin Reiners Cahill; *B.A. University of Colorado, 1990. Education.*

Stephen Mark Campbell; *B.A. University of Maryland, 1978. Business.*

Roberta L. Carlino; *A.A. Essex Community College, 1986; B.A. College of Notre Dame of Maryland, 1991. Education.*

Janice Mary Ann Caro; *B.S. Towson State University, 1986. Education.*

Peter J. Carven; *Business.*

Carolyn Antoinette Sterago Casey; *B.A. University of Maryland-Baltimore County, 1983. Applied Behavioral Science.*

Roxane Lydia Chambers; *B.A. Towson State University, 1988. Education.*

Ron W. Chang; *B.S. University of Southern California, 1981. Business.*

Hank Chao; *B.S. University of Maryland, 1989. Business.*

Ronald Eduardo Charvet, Jr.; *A.A. Northern Virginia Community College, 1983; B.A. National-Louis University, 1992. Business.*

Jieming Chen; *B.A. Guangzhou Institute of Foreign Languages, 1984. Business.*

Nicolette Maria Chios; *B.S. Towson State University, 1990. Applied Behavioral Science.*

Christine Hwayong Chung; *B.S. University of California-Los Angeles, 1991. Interdisciplinary Science Studies.*

Rita Marie Cicala; *B.S. Pennsylvania State University, 1984. Education.*

Tina DeSantis Cilurso; *B.A. Temple University, 1980. Business.*

Deborah C. Ciment; *B.S. University of Vermont, 1972. Education.*

John Robert Clarchick, Jr.; *B.S. Bethany College, 1985. Business.*

Garth George Clark; *B.S. Purdue University, 1981. Business.*

James Thomas Clark; *B.A. University of Maryland-Baltimore County, 1990. Education.*

Mary Elizabeth Clark; *B.A. Boston College, 1984. Education.*

Mary Lou Clark; *B.A. Ottawa University, 1990. Business.*

Barbara Robin Clayman; *B.S. University of Maryland, 1979; B.S., 1980. Business.*

Maura Kathleen Cleary; *B.A. Trinity College, 1990. Education.*

Brian Raymond Clifford; *B.S. Pennsylvania State University, 1989. Business.*

Loree Chrysinda Cobb; *B.S. University of Maryland, 1986; B.A., 1989. Education.*

Marjorie Clara Cobb; *B.A. Towson State University, 1979. Business.*

Catherine Ann Coble; *B.A. University of Maryland 1984. Education.*

David Francis Coelho; *B.S. Michigan State University, 1972. Business.*

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Zoher Bakir Bambot; *Civil Engineering.* Development of an Object-Oriented Program for Finite Element Self-Adaptive Mesh Refinement.

Ashish Kumar Banerji; *B.Tech Indian Institute of Technology, 1993. Electrical and Computer Engineering.*

Baidurya Bhattacharya; *Civil Engineering.*

Narcisse Pascal Bichot; *B.S. Johns Hopkins University, 1992. Biomedical Engineering.* Development of a Transducer for Simultaneous Moment and Load Measurement Applicable to Excised Rabbit Papillary Muscles.

Pavit Singh Brar; *B.Tech. Indian Institute of Technology, 1991. Civil Engineering.* A Neural Network Approach for Finite Element Domain Decomposition.

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Andrew Lawrence Chen; *B.A. Johns Hopkins University, 1993. Materials Science and Engineering.* Laser-based Bright Field Coherent Imaging and High Frequency Signal Enhancement: An Examination of the PCA Prosthetic Famoral Head Surface.

Xin Cheng; *B.S. Nanjing University, 1987; M.S. Chinese Academia Sinica, 1990. Mechanical Engineering.* Proper orthogonal decomposition analysis of bubble oscillations.

Jayne Thompson Dadmun; *B.S. Rensselaer Polytechnic Institute, 1987. Biomedical Engineering.* Development of an Apparatus to Evaluate Myocardial Mechanical Properties by Combined Extension and Torsion.

Dewane Anthony Daley; *B.S.E.E. Morgan State University, 1992. Electrical and Computer Engineering.*

Edward Pettet Davis; *B.S. Johns Hopkins University, 1991. Mechanical Engineering.* A Control and Electronic System for an Underwater Holocamera.

James Andrew Davis; *B.S.E. University of Maryland-Baltimore County, 1991. Mechanical Engineering.* The Development of a Recovery Technique for Pressure-Shear Plate Impact Experiments.

Christian Alexander Duncan; *B.S. Johns Hopkins University, 1994. Computer Science.*

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Joel G. Fan; *Computer Science.*

Elaine A. Finger; *B.S. University of The District of Columbia, 1992. Computer Science.*

Jacob Friedman; *B.S. Johns Hopkins University, 1991. Materials Science and Engineering.* Design and Implementation of a Method for in-vitro Evaluation of Wear in Prosthetic Hip Devices.

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Choon Kiat Goh; *B.S. Johns Hopkins University, 1991; M.S.E., 1992. Computer Science.*

Steven Jeffrey Groseclose; *B.A. Rice University, 1990; B.S.M.E., 1990. Geography and Environmental Engineering.*

Sandeep Narendra Gupta; *Electrial and Computer Engineering.*

David Kyonghun Han; *Mechanical Engineering.* Electrical Impedance Computed Tomography Applied to the Imaging of Two-Phase Gas-Liquid Flows.

Michael Gregory Heinz; *B.S. Brown University, 1992. Electrical and Computer Engineering.*

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Dong Wook Kim; *B.S.E. University of Michigan, 1991. Biomedical Engineering.* Image Feature Extraction for Development of an Algorithm to Detect Microcalcification Clusters in Digitized Mammograms.

Nathan Layne Kleinman; *Mathematical Sciences.*

Kenneth David Kolda; *B.S. Duke University, 1992. Mathematical Sciences.*

Vincent Frank Koosh; *Electrical and Computer Engineering.*

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Zhong Lin; *B.S. University of Science and Technology of China, 1990. Mechanical Engineering.* Damage in a Tungsten Composite Due to Debonding at W-W Grain Boundaries.

Anqi Liu; *Civil Engineering.*

Minna Ann Lo Stracco; *Chemical Engineering.* Experimental Determination of the effect of density and hydrogen bonding on the cloud point behavior of poly(ethylene-co-methyl acrylate)-propane-cosolvent-mixtures.

Peng Lu; *B.S. Tsinghns University, 1989. Computer Science.*

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Prafulla Vinayakrao Makode; *Civil Engineering.*

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William Marvin Martin; *B.S.A.E. University of Maryland, 1988. Biomedical Engineering.* Changes in Cardiovascular Autonomic Tone in Patients Suffering From Left Insular Cortex Lesions, as Studied Using a Specially Designed Portable Cardiovascular Autonomic Data Acquisition Platform.

Susan Ann McCusker; *B.S.M.E. Carnegie-Mellon University, 1987. Geography and Environmental Engineering.*

Richard Thomas O'Brien; *B.S. Brown University, 1991. Electrical and Computer Engineering.*

Theodore Charles Ondracek; *B.S. Johns Hopkins University, 1990. Biomedical Engineering.* Global Normalization of Positron Emission Tomography Images for Human Functional Brain Mapping: Comparison of the Scalar and Analysis of Covariance Methods.

Samara Renee Perdue; *B.S. Hampton University, 1991. Chemical Engineering.* Expression and Purification of Hantaan Nucleocapsid Protein from Insect Cells.

John Edwin Pritchett; *B.S. Iowa State University, 1984. Electrical and Computer Engineering.*

Scott Brian Reeder; *B.S. Queen's University-Kingston, 1991. Biomedical Engineering.* Development of High Speed, High Resolution Magnetic Resonance Imaging and Tagging Techniques.

Judith Lynn Robinson; *B.S. New Jersey Institute of Technology, 1993. Geography and Environmental Engineering.*

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Chun-Chia Jack Shih; *B.S. Johns Hopkins University, 1993. Computer Science.*

Irene Andrea Sidera; *B.S. National Technical University of Athens, 1993. Geography and Environmental Engineering.*

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Suraj C. Surendrakumar; *Computer Science.*

Christi Joe Sychterz; *B.S. Lehigh University, 1991. Biomedical Engineering.* The Effect of Contractility on the Systolic Sarcomere Length—Volume Relationship in the Isolated Canine Heart.

James Albert Tartal; *B.S. Johns Hopkins University, 1993. Geography and Environmental Engineering.*

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Lunan Wang; *M.S. Peking University, 1989. Mechanical Engineering.* Multiple Cracking in Functionally Gradient Thermal Barrier Coatings.

Kareen Genevieve Whitney; *Biomedical Engineering.*

Elaine Ruth Witherow; *B.S. Texas A & M University, 1991. Biomedical Engineering.* Determination of the Noise Source in the Electrocardiogram During Cardiopulmonary Resuscitation.

Tammy Lynn Wyatt; *Chemical Engineering.* Controlled Vaginal Delivery of Antigens to Stimulate Mucosal Immunity.

Sunil Yadav; *B. Technology Indian Institute of Technology, 1991. Mechanical Engineering.* The Dynamic Behavior of a 6061-T6 Al/Al_2O_3 Metal-Matrix Composite.

Kevin Kirk-Chin Yam; *B.S. Cornell University, 1991. Biomedical Engineering.* Use of Digital Subtraction Angioraphy to Measure Coronary Vascular Volume Changes During Contraction.

Huifen Zhang; *B.S. University of Science and Technology of China, 1992. Computer Science.*

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Zhixiang Zhao; *B.S. Beijing Polytechnic University, 1982; M.S. Tsinghua University, 1989. Biomedical Engineering.* A Physiological Model of DCN Fusiform Cell in Vitro Studies.

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Masters of Arts

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Martin Stephan Appold; *Earth and Planetary Sciences.*

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Mary Irene Cassell; *Policy Studies.* Equity and Excellence for High Poverty Schools: New Tools for Defeating an Old Enemy.

Chinsoo Chang; *B.S. Korea University, 1986; M.S., 1988. Economics.*

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Charles Stephen Dew; *Writing Seminars.* The Walnut Tree.

David Eric Diamond; *Writing Seminars.* Cops and Other Essays.

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Carla Gerona; *B.F.A. State University of New York-Purchase, 1984; B.A. Columbia University, 1990. History.* Women and Advertisements in the South Carolina Gazette, 1732-1790.

Christian Geulen; *History.* What is Natural in Social Darwinism? The Evolution of a Theory, 1890-1910.

Thomas George Ghirardelli; *Psychology.*

Jane Madeleine Gibson; *B.A. Cornell University, 1991. History.*

Steven Jay Gimbel; *B.A. University of Maryland-Baltimore County, 1990. Philosophy.*

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Meriwynn Ford Grotne; *Earth and Planetary Sciences.*

Aylin Güney; *B.S. Middle East Technical University, 1991. Political Science.* Alliances in Transformation. A Case Study: Turkish-American Alliance, 1945-1993.

Julia Lee Hairston; *Hispanic and Italian Studies.*

Anita Haldemann; *Lizentiat University of Bern, 1993. History of Art.*

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Robert Alan Hecht; *B.A. University of California-Santa Barbara, 1992. Writing Seminars.* A Fish Is Not A Rose.

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Stefan-Ludwig Hoffmann; *History.* Sweet Land of Secrecy: Freemasonry and Middle-Class Men in Turn-of the Century Baltimore.

Windsong Emily Hollis; *B.A. University of Virginia, 1989. Philosophy.*

Jay Robert Hopler; *B.A. New York University, 1992. Writing Seminars.* Joy On The Edge of Vertigo.

Sudha Parasuram Iyer; *Biology.*

Masami Izumida; *B.A. Johns Hopkins University, 1993. Writing Seminars.* Soto no Hito and Other Poems.

Jonathan David Jackson; *B.A. Goucher College, 1993. Writing Seminars.* Fire to Give Light.

Mark Todd Jackson; *B.A. Clarion University of Pennsylvania, 1990. English.*

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Irene Kabala; *B.A. University of Toronto, 1991. History of Art.*

Kyahn Reza Kamali; *B.S. University of Washington, 1990. Physics and Astronomy.* Spatially Resolved Spectroscopy of a Bright Radiative Filament in the Cygnus Loop Supernova Remnant.

Joseph Arthur Keith; *B.A. Hampshire College, 1990. Writing Seminars.* Do You Have Anything to Say to the Public?

Elizabeth Hines Kelleher; *B.A. Williams College, 1988. English.*

Gocha Anzor Khelashvili; *B.S. Tbilisi State University, 1990. Physics and Astronomy.* Nonlinear Realizations and Partial Breaking of Extended Supersymmetry.

Joanna Klink; *B.A. Carleton College, 1991. German.*

Andrew Robert Korb; *Earth and Planetary Sciences.*

Peter Kramer; *Doctorandus Rijksuniversiteit Leiden, 1992. Psychology.* Figural Identity and Bistable Apparent Motion.

Karla Jo Kuban; *B.A. University of Minnesota, 1993. Writing Seminars.* When You Come Down.

Timothy Robert White Kubik; *Political Science.* Machianelli, For Example...Exemplarity, Strategic Reading and The Art of War.

Anthony Boon-Siang Lee; *B.A. University of California, Berkeley, 1990. Sociology.*

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Ben Chien-pin Lin; *B.A. Haverford College, 1982; M.C.R.P. Harvard University, 1984. Economics.* Western Dreams.

Ho Clement Lin; *B.A. Brown University, 1992. Writing Seminars.* Western Dreams.

Timothy Patrick Lippa; *B.S. Loyola College, 1992. Chemistry.*

Kai Liu; *Physics and Astronomy.*

Arturo Carlos Madrid; *B.A. Yale University, 1983. Anthropology.*

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Konstantin Tzvetanov Matchev; *Physics.*

Malinda Kay McCollum; *B.A. Stanford University, 1992. Writing Seminars.* The Middle of the World.

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Rita Mercedes; *Anthropology.*

Paul Thomas Mikulski; *Physics.*

Giedra Marija Miller; *B.S. University of California-Los Angeles, 1991. Writing Seminars.* Medicine: Research and Implications for Western Medicine.

Jonathan Pett Miller; *History.* Strategists of the Post-War Period: The Case of Albert J. Wohlstetter.

Aaron T. Miripol; *B.A. Macalester College, 1987. Policy Studies.* Comprehensive Neighborhood Revitalization: Is Resident Empowerment Taking Place?

Hassan Mikhlif Mohammad; *Mathematics.*

Nora Kay Moran; *B.A. University of Colorado, 1988. History.*

Akihito Moriyama; *Economics.*

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Linda Kay Neely; *Chemistry.*

Benjamin I. Neihart; *B.A. George Washington University, 1986; M.A. University of Southern Mississippi, 1989. Writing Seminars.* Back to Life: Five Chapters of a Novel.

Stefan Nesenhöner; *History.* Maintaining the Center: John Pendleton Kennedy, the Border States, and the Secession Crisis.

Honorio Velasco Obias; *B.S. University of the Philippines-Los Baños, 1988. Chemistry.*

Jacob Nathan Ossar; *B.A. Haverford College, 1989; M.A. University of Kansas, 1991. Philosophy.*

Ugo Gianluigi Panizza; *Laurea University of Turin, 1991. Economics.*

Jotham Wood Parsons; *History.*

Timothy Hamilton Parsons; *History.*

Sara Spear Perkins; *B.A. Boston University, 1982. Writing Seminars. Water Ladies.*

Mark A. Phelps; *Near Eastern Studies.*

Ernst Pijning; *M.A. Rijksuniversiteit Leiden Netherland, 1989. History.*

Rebecca Jo Plant; *History.*

Bruce Michael Podobnik; *B.A. University of California-Santa Cruz, 1991. Sociology.*

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Daniel Allen Rabuzzi; *History.*

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Raymond Peter Scattone; *B.A. University of Delaware, 1988. Policy Studies.* The Changing Nature of Environmental Policy.

George William Schlossnagle III; *Mathematics.*

Franz Peter Schneiderman; *B.A. Williams College, 1985. Political Science.* Rawlsian Liberalism and the Limits of Consensus.

Kathryn Ann Schubel; *Earth and Planetary Sciences.*

Kathleen Hunter Scogna; *B.A. Johns Hopkins University, 1987; M.A. Washington University, 1989. Writing Seminars.* Someplace That Doesn't Exist: HIV Dementia and its Impact on People with Aids.

David Jeffrey Scrams; *B.A. California State University-Bakersfield, 1992. Psychology.* Selective Memory and Attitude: Memory Facilitation for Ambivalent Attitude Objects.

Scott A. Shackleton; *B.S. Queen's College, 1990; M.S., 1991. Psychology.*

Vineeta Sinha; *Anthropology.*

Dawn Elaine Sipes; *A.S. Coleman College, 1976; B.S. San Diego State University, 1981. Psychology.* Effect of Viewer Distance on Amount of Perceptual Depth Compression.

Jeonghyeon Song; *B.S. Postech, 1991. Physics and Astronomy.*

Lillian Sorak; *B.S. Indiana University, 1991. Mathematics.*

Sarah Lynne Stafford; *B.S.F.S. Georgetown University, 1990. Economics.*

Christina Louise Surowiec; *B.A. Swarthmore College, 1992. Policy Studies.* Very Small Community Drinking Water Systems in the U.S.: Assessing and Addressing the Gap Between Microbiological Standards and Supply Quality.

Michael Frederick Szalay; *B.A. Williams College, 1990; M.A. University of Chicago, 1991. English.*

Karen Sue Taussig; *B.S. University of California-Berkeley, 1989. Anthropology.*

Christopher Michael Tedeschi; *B.A. Cornell University, 1993. Writing Seminars.* Amazing Stories: New Reproductive Technologies, the Media, and What's Behind The Hype.

Alison Jean Toates; *B.A. Vassar College, 1989. History.*

Catherine Hughes Tokheim; *History.* The History of Charenton-le-Pont and its Role in Seventeenth Century French Protestantism.

Michael Alfred Trask; *B.A. Wesleyan University, 1990. English.*

William Tyler U'Ren; *B.A. University of California-Los Angeles, 1986. Writing Seminars.* Sugar Coma.

Gerard Theodore van Belle; *B.A. Whitman College, 1990. Physics and Astronomy.* Analysis of CO_2^+ Features in Comet P/Halley Derived from Ultraviolet Spectrophotometry by ASTRON.

Latha R. Vankeepuram; *B.S. Madras Christian College, 1990; M.S. Indian Institute of Technology, 1992. Chemistry.*

Scott I. Vogel; *B.F.A. New York University, 1985. Writing Seminars.*

Wendy Maria Walker; *B.A. Middlebury College, 1986; M.Phil. Oxford University, 1990. Anthropology.* CAUTIONARY TALES: Media Narratives in the Age of Aids.

Eve M. Walton; *Biology.*

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Joel Thomas Levis; *B.S. University of Vermont, 1986. Biochemistry.* A Mechanistic Study of Psoralen-Derivatized Oligonucleotide Analogues: Interaction with VSV mRNA *In Vitro* and Behavior in Cell Culture.

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Karen Retta McLachlan; *B.S. University of Texas at Arlington, 1987. Biochemistry.* Regulation of Asparagine Linked Glycosylation: Polyisoprenoid Lipid Substrate Specificity of Mammalian Glycosyl Transferases.

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Patricia A. Stewart; *B.A. Boston University, 1972; M.S. University of Cincinnati, 1974. Environmental Health Sciences.* Evaluation of the Performance of Three Retrospective Exposure Assessment Methods for Occupational Epidemiologic Studies.

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Sukathida Ubol; *B.S. Silapakorn University, 1980; M.S. Mahidol University, 1983. Immunology and Infectious Diseases.* The Role of the E2 Glycoprotein of Sindbis Virus in Virus-Host Interaction.

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Ian Thomas Williams; *B.S. College of William and Mary, 1986; M.S. Ohio State University, 1988. Epidemiology.* Predictors of Immunization Coverage in a Population Based Sample of Virginia Children.

Yutaka Yasui; *B.E. Kyoto University, 1989. Biostatistics.* Regression Analysis for Spatial Disease Rates.

Pornwadee Yenbutr; *B.S. Mahidol University, 1981; M.D., 1983. Immunology and Infectious Diseases.* Identification and Molecular Cloning of Spliced Leader-Containing cDNAs from *Brugia malayi* Third-Stage Larvae.

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Lisa Gail Winston; *A.B., Harvard University, 1990.*

Timothy Francis Witham; *B.S., Pennsylvania State University, 1990.*

Melissa Grace Wuthier; *B.A., B.S., University of South Carolina (Columbia), 1990.*

Robert Frank Yacavone; *B.A., Brown University, 1990.*

Linda Lee Yau; *B.A., Cornell University, 1990.*

Nathan Douglas Zilz; *B.S., Ph.D., University of Minnesota, 1983; 1990.*

Robert Douglas Zura; *B.A., University of Virginia, 1990.*

Doctors of Philosophy in The School of Medicine

Craig David Blackstone; *B.S., University of Chicago, 1987. Neuroscience.* Molecular Structure and Functional Modulation of Excitatory Amino Acid Receptors.

Jimo Borjigin; *B.S., M.S., Tohoku University, 1984; 1986. Neuroscience.* Insertional Mutagenesis Approaches to Protein Structure and Function.

Jeffrey C. Boyington; *B.S., M.S., University of Connecticut, 1987. Biochemistry, Cellular and Molecular Biology Training Program—Biophysics.* The Crystal Structure of Soybean Lipoxygenase-1 Determined to 2.6Å Resolution.

Allan Yi-Nan Chen; *B.M., Taipei Medical College, 1985. Biochemistry, Cellular and Molecular Biology Training Program—Biological Chemistry.* Studies of Topoisomerase-targeting Anticancer Drugs.

Peng Chen; *B.S., Beijing Normal University, 1986. Biochemistry, Cellular and Molecular Biology Training Program—Cell Biology and Anatomy.* Biogenesis of Yeast Mating Pheromone a-Factor.

Pierre-Yves Masaki Chevray; *B.S., Massachusetts Institute of Technology, 1987. Biochemistry, Cellular and Molecular Biology Training Program—Molecular Biology and Genetics.* Cloning of Mammalian cDNAs Encoding Proteins that Interact Structurally and Functionally with FOS and JUN Using the Two-Hybrid System.

Marc Roger Chevrier; *A.B., Cornell University, 1988. Pharmacology and Molecular Sciences.* Development of Matrix-Assisted Ultraviolet Laser Desorption/Ionization Mass Spectrometry for the Structural Analysis of Glycoproteins.

Stephen Kohl Doberstein; *B.Ch.E., University of Delaware, 1981. Biochemistry, Cellular and Molecular Biology Training Program—Cell Biology and Anatomy.* Membrane-bound Cytoplasmic Motor Molecules of Acanthamoeba Castellanii.

Dennis Long-Yu Dong; *B.S., State University of New York at Stony Brook, 1989. Biochemistry, Cellular and Molecular Biology Training Program—Biological Chemistry.* Dynamics and Functions of Cytoplasmic O-Glycosylation.

Sung-Tsang Hsieh; *M.B., National Taiwan University, 1983. Neuroscience.* Neurofilament Organization and Phosphorylation.

John Peter Imredy; *B.S.E.E., University of Kentucky, 1987. Biomedical Engineering.* Mechanism of Calcium-Sensitive Inactivation of L-Type Calcium Channels.

Jennifer Marie Jester; *B.S.E.E., Northwestern University, 1985. Biomedical Engineering.* Associative Long-Term EPSP-Spike Potentiation Induced by Pairing Orthodromic Stimulation with Antidromic Conditioning in Hippocampal Slices of the Rat.

Kimberly Ruth Kalli; *A.B., Ripon College, 1984. Molecular Biology and Genetics - Program in Immunology.* Mapping Functional Domains of Complement Receptors Type 1 and 2.

Kawai Lau; *B.A., Oregon State University, 1986. Biochemistry, Cellular and Molecular Biology Training Program—Biological Chemistry.* Purification and Characterization of a DNA and GTP Binding Protein from Bos taurus.

Pamela Jean Lilly; *B.S., University of Notre Dame, 1986. Biochemistry, Cellular and Molecular Biology Training Program—Biological Chemistry.* Activation of Adenylyl Cyclase in Dictyostelium: Roles for the G-Protein ß-subunit and for CRAC, a Novel Component of the Signal Transduction Pathway.

Fang-Tsyr Lin; *M.B., National Taiwan University, 1988. Biochemistry, Cellular and Molecular Biology Training Program—Biological Chemistry.* The Role of CCAAT/Enhancer Binding Protein ∝ in Preadipocyte Differentiation.

Markham C. Luke; *B.A., New York University, 1987. Pharmacology and Molecular Sciences.* Nuclear Interactions of Baculovirus Expressed Human Androgen Receptor.

Laura Marie Machesky; *B.S., Alma College, 1987. Biochemistry, Cellular and Molecular Biology Training Program—Cell Biology and Anatomy.* Regulation of Cytoskeletal Dynamics and Phosphoinositide Signaling by Profilin.

Howard Markel; *A.B., M.D., University of Michigan, 1982; 1986. History of Medicine, Science amd Technology.* Layers of Separation: Epidemics and the Quarantining of East European Jewish Immigrants in New York City During the Late 19th Century.

John Christian McLenithan; *B.S., University of Rochester, 1983. Biochemistry, Cellular and Molecular Biology Training Program—Biological Chemistry.* The cDNA Sequencing, Insulin-Regulation, and Overexpression of the GLUT4 Glucose Transporter from 3T3-L1 Adipocytes.

Janet Anne Meurer; *B.S., University of Massachusetts/Amherst, 1986. Pharmacology and Molecular Sciences.* The Cloning and Characterization of Two Distinct B1,4-Galactosyltransferases from Chicken.

Elizabeth Dianne Potter; *B.A., The University of Chicago, 1989. Neuroscience.* Documentation of the Widespread Distribution of a Cyclic GMP-gated Channel.

Tory Prestera; *B.A., University of California, San Diego, 1988. Biochemistry, Cellular and Molecular Biology Training Program—Pharmacology and Molecular Sciences.* Studies on the Molecular Regulation of Enzymes that Protect Against Chemical Carcinogenesis.

Leela Anna Rangan; *A.B., Smith College, 1985. Biochemistry, Cellular and Molecular Biology Training Program—Physiology.* Regulation of 1,2-Diacylglycerol Levels in a-Thrombin-stimulated IIC9 Fibroblasts.

Jacqueline Angelique Runestad; *B.A., B.S., Iowa State University of Science and Technology, 1988. Cell Biology and Anatomy.* Humeral and Femoral Diaphyseal Cross-sectional Geometry and Articular Dimensions in Prosimii and Platyrrhini (Primates) with Application for Reconstruction of Body Mass and Locomotor Behavior in Adapidae (Primates: Eocene).

Laura Jean Scott; *B.A., Albion College, 1985. Biochemistry, Cellular and Molecular Biology Training Program—Cell Biology and Anatomy.* The In Vivo Dynamics of Plasma Membrane Proteins and the Polymeric IgA Receptor in Rat Hepatocytes.

Dorothy Dee Sears; *B.S., University of Southern California, 1988. Biochemistry, Cellular and Molecular Biology Training Program—Molecular Biology and Genetics.* Meiotic Determinants Required for Chromosome Disjunction Fidelity: An Experimental System Using Human DNA-Derived Yeast Artificial Chromosomes.

Deborah Lynn Stenkamp; *B.A., Whitman College, 1987. Neuroscience.* Differentiation of Light-Regulated Activities in Dissociated Cell Culture of Chick Embryo Retina.

David Arthur Tuveson; *B.S., Massachusetts Institute of Technology, 1987. Biochemistry, Cellular and Molecular Biology Training Program—Molecular Biology and Genetics.* CD19 and Phosphatidylinositol 3-Kinase.

Daniel Hugh Wachsstock; *B.S., University of Miami, 1985. Cell Biology and Anatomy.* From Molecules to Mechanics: The Biophysics of Actin Filament Networks.

Kathryn Rae Wagner; *B.S., Yale College, 1986. Neuroscience.* Tyrosine Phosphorylation of Postsynaptic Membrane Proteins.

Michael M. Wang; *A.B., Harvard College, 1987. Biochemistry, Cellular and Molecular Biology Training Program—Molecular Biology and Genetics.* Identification and Characterization of the Olfactory Transcription Factor Olf-1.

Elizabeth Roquemore Wigham; *B.A., Wellesley College, 1987. Biochemistry, Cellular and Molecular Biology Training Program—Biological Chemistry.* Characterization and Dynamics of O-Linked N-Acetylglucosamine on Alpha Crystallins.

Wen-Cheng Xiong; *B.M., Third Military Medical College, 1984; M.S., Institute of Pharmacology and Toxicology, 1987; M.S., The University of Arizona, 1989. Neuroscience.* Characterization of Two Transcription Factors Required for Development of the Drosophila Nervous System.

Doctors of Philosophy in The G.W.C. Whiting School of Engineering

João Augusto Bernaud Burnett; *B.S. University of Brasilia, 1972; M.S. Loughborough University, 1982. Geography and Environmental Engineering.* Turbulent Flocculation and Sedimentation in Lakes: Modeling and Laboratory Experiments.

Sean Gerald Corcoran; *B.S. Johns Hopkins University, 1990; M.S.E., 1992. Materials Science and Engineering.* In Situ Scanning Tunneling Microscopy of Electrodeposition Processes.

Barbara Rose Coughlin; *B.S. University of Chicago, 1987; M.S. University of Washington, 1990. Geography and Environmental Engineering.* Release of Goethite-Bound Mn^{II}, Co^{II}, Ni^{II}, Cu^{II}, and Pb^{II} in the Presence of Fe^{II}, Organic Complexants, and Organic Reductants.

Wenbin Dang; *B.S. Chengdu University of Science of Technology, 1988; M.S. Tufts University, 1990. Chemical Engineering.* Engineering Drugs and Delivery Systems for Brain Tumor Therapy.

Robert Paul Dobrow; *B.S. State University of New York, 1981; M.S.E. Johns Hopkins University, 1991. Mathematical Sciences.* Markov chain analysis of some self-organizing schemes for lists and trees.

Ronald Rong Dong; *Mechanical Engineering.*

Bret Jonathan Elkind; *B.E.S. Johns Hopkins University, 1983; M.S.E., 1985. Materials Science and Engineering.* An Ultrasonic Investigation into the Kinetics of the Precipitation Hardening Process of Aluminum-Lithium Alloys.

John Winton Evans; *B.S.M.E. University of Nebraska, 1983; M.S. University of Iowa, 1985. Materials Science and Engineering.* Fatigue and Reliability in Near Eutectic Solder Alloys for Spacecraft Applications.

Gregory Thomas Fieldson; *B.S. Rensselaer Polytechnic Institute, 1988. Chemical Engineering.* A Spectroscopic Examination of Diffusion in Polymers.

Fritz John Friedersdorf; *B.S.C.E. University of Central Florida, 1987; M.S., 1990. Materials Science and Engineering.* Stress-Corrosion Cracking of Binary Noble Metal Alloys.

Kirsten Adair Green; *B.S. Johns Hopkins University, 1987; M.S. Brown University, 1990. Materials Science and Engineering.* X-ray Diffraction Topography for Nondestructive Characterization of Single Crystal Turbine Blades, Gallium Arsenide Wafers and Metals Subjected to High-Power Ultrasound.

Robert David Huber; *B.S. Loyola College, 1985; M.S.E. Johns Hopkins University, 1990. Materials Science and Engineering.* Optical Detection of Stress Waves from Glass Fiber Reinforced Polymer Matrix Composite Material.

Wen-ling Jane; *B.S. National Taiwan University, 1984; M.A. University of Iowa, 1987. Geography and Environmental Engineering.* Mechanisms of Slope Failures in the Semiarid Loess Areas: An Unsaturated Slope Failure Model.

Luis Gerardo Juarbe-Osorio; *B.S. Massachusetts Institute of Technology, 1987. Chemical Engineering.* The Recovery and Characterization of Recombinant Viral Hemagglutinins Expressed in Insect Cells.

Keyu Li; *B.S.E. Tsinghua University, 1986; M.S.E., 1988. Mechanical Engineering.* Viscoplastic Behavior of Notch Roots at High Temperature.

Rebecca H. Li; *B.S. University of Illinois-Urbana-Champaign, 1989. Chemical Engineering.* Surface-Modified Hydrogel-Based Membranes for Bioseparations.

David Alexander Lindsay; *B.S. Lafayette College, 1988. Chemical Engineering.* Production and Characterization of Recombinant Group B Rotavirus (IDIR Strain) Structural Proteins From Insect Cell Cultures.

Mieko Matsuzawa; *B.S. Tsukuba University, 1986; M.S. Tokyo Institute of Technology, 1988. Materials Science and Engineering.* Geometrically Controlling Neurons In vivo Using Substrates Patterned With Biomaterials.

Donna Jean Mayton; *B.A. University of Virginia, 1986; M.S. Johns Hopkins University, 1991. Materials Science and Engineering.* Electromagnetic Stressing/Optical Detection Technique for Detection of Disbonds in Aging Aircraft.

Christopher Laurence McGahey; *B.C.E. Georgia Institute of Technology, 1981; M.S.E. Johns Hopkins University, 1991. Geography and Environmental Engineering.* Mechanisms of Virus Capture from Aqueous Suspension by a Polypropylene, Microporous, Hollow Fiber Membrane Filter.

Deborah Marie Surkovich Mechtel; *B.S.M.E. University of Virginia, 1982; M.S.E. Johns Hopkins University, 1988. Electrical and Computer Engineering.* Electro-Optic Probing of GaAs Microwave Circuits.

Alison Murray; *B.S. McGill University, 1987; M.S.E. Johns Hopkins University, 1990. Materials Science and Engineering.* Air-Coupled Ultrasound Used to Detect Flaws in Paintings on Wooden Panels.

Robert R. Oberle; *B.S. Rensselaer Polytechnic Institute, 1987; M.S. Johns Hopkins University, 1992. Materials Science and Engineering.* Mechanical Behavior of Electro-deposited Copper-Nickel Multilayered Thin Films.

Rochelle Dawn Payne; *B.S. Johns Hopkins University, 1990; M.S.E., 1992. Materials Science and Engineering.* Process Control Development for the Spray Forming Process.

Alden Mark Provost; *B.S. Johns Hopkins University, 1986. Chemical Engineering.* Theoretical Studies in Peristaltic Flow.

Motakuri Venkata Ramana; *M.S.E. Johns Hopkins University, 1990. Mathematical Sciences.* An Algorithmic Analysis of Multiquadratic and Semidefinite Programming Problems.

John Thomas Reilly; *A.S. State University of New York-Farmingdale, 1984; B.E. City College of New York, 1987. Chemical Engineering.* Experimental Investigation of Acid-Base Interactions Using Fourier Transform Infrared Spectroscopy.

Neil Samuel Rothman; *B.S. Rensselaer Polytechnic Institute, 1978; M.S., 1979. Mechanical Engineering.* Indentation of Finite Thickness Hyperelastic Materials: A Parametric Investigation with Implications for Myocardium.

Kausik Sarkar; *B.Tech IIT Kharagpur, 1988; M.S.E. Johns Hopkins University, 1990. Mechanical Engineering.* Effective Boundary Conditions for Rough Surfaces and Acoustics of Oceanic Bubbles.

John Calvin Schmidt; *B.S. University of Maryland, 1976; M.S. Johns Hopkins University, 1989. Materials Science and Engineering.* The Electrochemical Characterization of Interface States on Silicon.

Zongwei Tao; *M.S.E. Johns Hopkins University, 1992. Civil Engineering.* Reliability-based Structural Optimization with Markov Decision Processes.

Wei Wang; *B.S. Northwestern Polytechnical University, 1981; M.E. Zhejiang University, 1984. Civil Engineering.* Structural System Reliability: A Study of Several Important Issues.

Wenyang Wang; *B.S. Beijing Normal University, 1985; Diploma, 1987; M.S. Johns Hopkins University, 1992. Mathematical Sciences.* Large Deviations of U-Empirical Probability Measures and Statistical Functionals.

Justin Carter Williams, Jr.; *B.S. University of Wisconsin-Milwaukee, 1986; M.A. Johns Hopkins University, 1993. Geography and Environmental Engineering.* Multi-objective Methods for Selecting Protected Areas.

Duan Zhong Zhang; *Mechanical Engineering.* Ensemble Phase Averaged Equations for Multiphase Flows.

Doctors of Philosophy in The School of Arts and Sciences

Stephen Bernard Adams; *B.A. University of California-Davis, 1977; M.B.A. University of Michigan, 1982. History.* Mr. Kaiser Goes to Washington: Saga of a Government Entrepreneur.

Brett Gregory Alten; *Physics and Astronomy.* Bandstructure of $In_xGa_{1-x}P$ and InP under hydrostatic pressure.

Christopher Miguel Arnade; *B.S. New College, 1987. Physics and Astronomy.* Solitons in the Standard Model.

Susan T. Arnold; *B.A. College of St. Benedict, 1987; M.A. Johns Hopkins University, 1991. Chemistry.* Photoelectron Spectroscopy of Solvated Electron and Solvated Anion Clusters.

Patrick Kaduma Asea; *LL.B. Makerere University, 1986; M.B.F. Bocconi University, 1988; G.D.I.A. Johns Hopkins University-Bologna, 1989; M.A. Johns Hopkins University, 1991. Economics.* Essays in International Finance.

William Farquhar Bacon; *B.S. University of Michigan, 1986; M.A. Johns Hopkins University, 1990. Psychology.* Goal-directed allocation of spatial attention: Evidence from simple and conjunctive visual search.

Christopher McNeill Bailey; *B.S. College of William and Mary, 1989; M.A. Johns Hopkins University, 1991. Earth and Planetary Sciences.* Temporal, Kinematic, and Strain Analysis of Granitic Tectonites from the Central Appalachians.

Anja Baumhoff; *M.A. Albert-Ludwigs Universität, 1986; M.A. Johns Hopkins University, 1988. History.* Gender, Art, and Handicraft at the Bauhaus.

Barbara Jean Becker; *B.A. Goucher College, 1968; M.L.A. Johns Hopkins University, 1971. History of Science.* Eclecticism, Opportunism, and the Evolution of a New Research Agenda: William and Margaret Huggins and the Origins of Astrophysics.

Edith Anne Bershadsky; *B.A. Smith College, 1977; M.A. University of North Carolina-Chapel Hill, 1982; M.A. Johns Hopkins University, 1986. History.* Politics, Erudition and Ecclesiology: John Selden's Historie of Tithes and Its Contexts and Ramifications.

Amy Sue Bix; *B.A. Princeton University, 1987. History of Science, Medicine and Technology.* Inventing Ourselves Out of Jobs? America's Depression-Era Debate Over Technological Unemployment.

Annette Lorraine Boman; *B.A. Gustavus Adolphus College, 1988. Biophysics.* A Role For The ADP-ribosylation Factor in Nuclear Envelope Development.

Christopher Mark Boswell; *B.S. Seattle Pacific University, 1986; M.A. Johns Hopkins University, 1988. Physics and Astronomy.* Chi Meson Production in Proton-Antiproton Interactions at a Center of Mass Energy of 1.8 Te V.

Lelita Talamantez Braiterman; *B.S. Towson State University, 1982. Biology.* Integration of Retrotransposon Tyl.

Regina Porretta Brun; *B.S. University of Michigan, 1987. Biology.* Analysis of the Initiation-Competent Form of RNA Polymerase I.

Janet Kay Leatherwood Bushman; *Biology.* The role of Lysyl-tRNA synthetase and the GCD6 and GCD7 subunits of eukaryotic translation initiation factor 2B in translational control of yeast transcription factor GCN4.

Stephen John Campbell; *B.A. Trinity College, 1985; M.A. University of North Carolina-Chapel Hill, 1988. History of Art.* Cosmè Tura: Art and Social Identity in Fifteenth Century Ferrara.

Cheon-Gyu Cho; *B.S. Hânyang University, 1985; M.S. American University, 1989; M.A. Johns Hopkins University, 1991. Chemistry.* Asymmetric Intramolecular Diels-Alder Reactions of 2-Pyrone Carboxylates and Application toward an Enantiospecific Total Synthesis of 1 beta,25-$(OH)_2$,2 alpha-Butylvitamin D_3. Development of Novel Inducers of Anticarcinogenic Detoxication Enzymes. Design and Synthesis of Bifunctional Isothiocyanate Analogs of Sulforaphane.

Carolyn Rose Crone; *B.A. Loyola College, 1983; M.A. Johns Hopkins University, 1986. Psychology.* Differential Distractor Functioning: A Log-linear Analysis.

Stephen John Cross; *B.A. University of Cambridge, 1974; M.A. Johns Hopkins University, 1977. History of Science, Medicine and Technology.* Designs For Living: Lawrence K. Frank and the Progressive Legacy in American Social Service.

Claire P. Curtis; *B.A. Bowdoin College, 1987; M.A. Johns Hopkins University, 1991. Political Science.* Perfectionism and Skepticism in the Sustenance of Politics.

Haiyan Dai; *B.S. University of Science and Technology of China, 1987; M.A. Johns Hopkins University, 1990. Chemistry.* Asymmetric Total Synthesis and Preliminary Biological Activity Evaluation of 1-Substituted Calcitriol Analogs. Enantioselective Diels-Alder Reactions of 3-Carbonyl-2-pyrones and Vinyl Ethers Promoted by Chiral Titanium Species.

Susan Lynn Dauber; *B.A. Johns Hopkins University, 1986; M.A., 1991. Sociology.* Educational Expectations vs Educational Trajectory: Social Psychological and School Organizational Perspectives on Adolescent Educational Attainment.

Sheila Ann Dean; *B.S. Colorado State University, 1977; M.S. University of Arizona, 1987. History of Science, Medicine and Technology.* What Animal We Came From: William King Gregory's Paleontology and the 1920s Debate on Human Origins.

Diane E. Dorfman; *B.A. University of Massachusetts, 1985; M.A. Johns Hopkins University, 1989. Anthropology.* Spirits of Reform: Power, Wealth, and Morality in Northern Rural China.

Deena Rabinowicz Dugan; *B.A. Rutgers College, 1976; J.D. Georgetown University Law Center, 1979. Political Science.* The Politics of Medical Malpractice Reform in the American States.

Yi-Ren Dzeng; *B.A. National Chengchi University, 1980; M.A. Western Michigan University, 1985; M.A. Johns Hopkins University, 1990. Political Science.* The Role of Labor in the Transition of Taiwan's Authoritarian Rule.

Bruce Lee Elliott; *B.A. St. John's College, 1982; M.A. Johns Hopkins University, 1986. Physics and Astronomy.* Ultra—High Energy Astro—Particle Physics: Recent Work in Modern Cosmic Ray Physics.

Dorice Williams Elliott; *B.A. Brigham Young University, 1973; M.A. University of Utah, 1986; M.A. Johns Hopkins University, 1989. English.* The Angel Out of the House: Representations of Women's Philanthropy and the Redefinition of Gender Roles in 18th and 19th Century England.

Chen-Ray Fang; *M.A. National Chung-Hsing University, 1988; M.A. Johns Hopkins University, 1991. Economics.* Liquidity constraints, Financial Dualism, and Corporate Investment: Evidence from Panel Data for a Newly Industrializing Economy.

Christian Gabel; *B.S. University of Rochester, 1987. Biology.* Aspects of the Regulation of Expression of Cytochrome aa^3 in the Nitrogen-Fixing Bacteria Bradyrhizobium japonicum and Rhizobium leguminosarum biovar phaseoli.

Jose Manuel Galan; *B.A. Universidad Complutense De Madrid, 1986; Johns Hopkins University, 1993. Near Eastern Studies.* Victory and Border, Terminology Related to Egyptian Imperialism in the XVIIIth Dynasty.

María Antonia Garcés; *M.A. Georgetown University, 1987; M.A. Johns Hopkins University, 1992. Hispanic and Italian Studies.* The Phantom of Desire: A Cervantine Erotics.

Philip Roy Gerson; *B.A. Dartmouth College, 1983; M.Ph. University of Cambridge, 1984; M.A. Johns Hopkins University, 1991. Economics.* Essays on Education and Human Capital with Imperfect Markets.

David Andrew Golimowski; *B.A. Rice University, 1986; M.A. Johns Hopkins University, 1989. Physics and Astronomy.* Coronagraphic Imaging of Protoplanetary-Disk Candidate Stars using Adaptive Optics.

Stephanie Golski; *B.A. Western Maryland College, 1988; M.A. Johns Hopkins University, 1990. Psychology.* Behaviorally-induced changes in the neural activity of the hippocampus: A component task analysis.

Richard Raymond Gontarek; *B.S. Lafayette College, 1989. Biology.* A Rous Sarcoma Virus Intronic Element Negatively Regulates Splicing by Binding snRNPs.

Lisa Jane Graham; *B.A. Cornell University, 1985; M.A. New York University, 1987; M.A. Johns Hopkins University, 1989. History.* If the King Only Knew: Popular Politics and Absolutism in the Reign of Louis XV, 1744-1774.

Kenneth Albert Grossenbacher; *B.A. University of California-Berkeley, 1988; M.A. Johns Hopkins University, 1990. Earth and Planetary Sciences.* Origin of large granophyre pods in a Mesozoic diabase sheet near Gettysburg, Pennsylvania.

Patrick Armen Hagopian; *B.A. University of Sussex, 1982; M.A. University of Pennsylvania, 1989; M.A. Johns Hopkins University, 1990. History.* The Social Memory of the Vietnam War.

Maura Lynn Hamrick; *B.A. Mississippi University for Women, 1987. Biology.* Assembly of the Na,K-ATPASE Subunits.

Maureen Anne Harkin; *B.A. Melbourne University, 1982; M.A. Johns Hopkins University, 1986. Humanities.* Disturbing Sympathy: Smith, Asthetics and the Sentimental Novel.

Donald Templeton Haynie; *B.S. University of South Florida, 1988. Biophysics.* The Structural Thermodynamics of Protein Folding.

Peter Harry Henderson; *B.A. Johns Hopkins University, 1982; M.P.P. Harvard University, 1984; M.A. Johns Hopkins University, 1990. History.* Local Deals and the New Deal State: Implementing Federal Public Housing in Baltimore, 1933-1968.

Carolyn Roderick Higginbotham; *B.A. Hiram College, 1980; M.Div. Vanderbilt Divinity School, 1983. Near Eastern Studies.* The Egyptianization of Ramesside Palestine.

Linda Alide Hinnov; *B.A. Princeton University, 1979; M.A. University of Texas-Austin, 1985. Earth and Planetary Sciences.* Astronomical Forcing, Ancient Climatic Change And The Sedimentary Record: The Mesozoic Of The Southern Alps, Italy.

Kim Marie Hirshfield; *B.S. Rutgers University, 1988. Biology.* Steady-State and Dynamic Fluorescence Studies of Calcium-Binding Probes.

Susan Elizabeth Holmes; *B.A. Swarthmore, 1984. Biology.* Characterization of Active Human L1 Elements.

Li-Hsuan Huang; *B.A. FuJen Catholic University, 1986; M.A. National Chung-Hsing University, 1988; M.A. Johns Hopkins University, 1991. Economics.* Three Essays on Labor Economics.

Shaun Anthony Irlam; *B.A. University of Cape Town, 1980; B.A., 1981; M.A., 1984. Humanities.* Unworlding and Otherworldliness: Enthusiasm, Epiphany, and Typology in the Poetry of James Thomson and Edward Young.

John Richard Iton; *B.A. McGill University, 1983; M.A., 1987. Political Science.* Gateway Blues: Comparative Political Cultures and the Search for the Missing American Left.

Saleha Jilani; *B.A. Swarthmore College, 1987; M.A. Johns Hopkins University, 1993. Economics.* Regional Cooperation, Factor Mobility, and Optimal Policy: A Theoretical Analysis.

Shin-tsyr M. Jing; *B.A. Soochow University, 1979; M.A. National Cheng-Chi University, 1981; M.A. Johns Hopkins University, 1989. Economics.* Imported Intermediate Goods and Business Cycles.

Steven James Johnston; *B.A. University of Southern California, 1982; M.A. Johns Hopkins University, 1987. Political Science.* Containing Politics: Rousseau, The Self, and the Project of Order.

Han-Yung Jung; *Economics.* Bayesian Tests of the Ricardian Equivalence Proposition.

James Andrew Kenar; *B.S. Bradley University, 1987; M.S. Johns Hopkins University, 1992. Chemistry.* Hydrogen Rearrangements in Carbenes. H^{ax} vs H^{eq} Stereoselectivity and Isotope Effects in Methyl-Substituted Cyclohexylidenes.

Nematollah Keyhani; *B.A. University of Pennsylvania, 1987. Biology.* Studies on the Chitin Catabolic Cascade in the Marine Bacterium Vibrio Furnissii.

Kathleen Jane Kingma; *B.S. Marietta College, 1984; M.S. Ohio State University, 1989; M.A. Johns Hopkins University, 1991.* Earth and Planetary Sciences. Pressure-Induced Transformations in S_iO_2.

Anne Mary Kitz; *B.A. College of the Holy Cross, 1977; M.A.T. Boston College, 1980; M.Div. Weston School of Theology, 1984; Th.M. Harvard University, 1986. Near Eastern Studies.* Sara'at Accusations and the Sociology of Exclusion.

Philip Thomas Kronebusch; *B.S. St. John's University, 1981; M.A. Johns Hopkins University, 1987. Political Science.* The Use of Moral Philosophy in 20th Century Legal Theory.

Richard Lee Kyte, Jr.; *B.A. Hamline University, 1984; M.A. Johns Hopkins University, 1990. Philosophy.* Character and Outlook in the Development of Moral Agency.

Stephen Daniel Landy; *B.A. Johns Hopkins University, 1980; M.A. University of Chicago, 1982; M.A. Johns Hopkins University, 1989. Physics and Astronomy.* Statistics and Large Scale Structure.

M. Victor Lemas; *B.A. University of California-San Diego, 1986. Biology.* Molecular Analysis of the Na,K-ATPase alpha- and beta-Isoform Assembly.

George H. Lew; *B.S. Northwestern University, 1987. Biology.* Energetics of Mutant and Chemically-Modified Human Hemoglobins.

Nan Li; *M.A. University of Missouri-Columbia, 1986. Political Science.* Bureaucratic Behavior, Praetorian Behavior, and Civil-Military Relations: Deng Xiaoping's China (1978-1989) and Gorbachev's Soviet Union.

Shaozhong Li; *B.S. Fudan University, 1982; M.S., 1985; M.A. Johns Hopkins University, 1988. Physics and Astronomy.* Physical Modeling and Design of Semiconductor Heterostructures for Optical and Electronical Applications.

Akira Mizuta Lippit; *B.A. University of California-Berkeley, 1986; M.A., 1987. Humanities.* Wildlife After Death: Zoomorphology and Modernism.

Yunlong Man; *B.A. Shandong Normal University, 1982; M.A. Beijing University, 1985; M.A. Johns Hopkins University, 1988. History.* English Colonization and the Formation of Anglo-American Polities, 1606-1664.

Elizabeth Arnold Mansfield; *B.A. University of Pennsylvania, 1986. Biology.* The Molecular Cloning and Analysis of the Drosophila Proliferation Control Gene hyperplastic discs.

Robert Ira Matz; *English.* For Profit and Pleasure: The Writing of Social Transformation in Elyot, Sidney and Spenser.

Meredith L. McGill; *B.A. Williams College, 1983; B.A. Cambridge University, 1985; M.A., 1985; M.A. Johns Hopkins University, 1988. English.* Poe's Plagiarisms: Literary Property and the Authorial Self in Antebellum America.

Nelson Jacob Moe; *B.A. Wesleyan University, 1984. Hispanic and Italian Studies.* Representing the South in Post-Unification, c. 1860-1880.

Christopher Anthony Moffatt; *B.S. University of Toronto, 1989; M.A. Johns Hopkins University, 1991. Psychology.* Seasonal and Social Modulation of Reproduction in Prairie Voles (Microtus ochrogaster).

Diana Lucile Montgomery; *B.S. University of Utah, 1987. Biology.* Thermodynamic and Structural Analysis of the Folding/Unfolding Transitions in the Escherichia coli 70 Kilodalton Heat Shock Protein, DnaK.

Viranjini Punyakante Munasinghe; *B.A. Sussex University, 1985; M.A. Duke University, 1988; M.A. Johns Hopkins University, 1989. Anthropology.* Calaloo or Tossed Salad? East Indian and National Identity in Trinidad.

Nancy Marie Nobile; *B.A. Wesleyan University, 1982; M.A. Johns Hopkins University, 1986. German.* Allegorical Education: Pedagogical Writings of Heinrich von Kleist.

Jooho Park; *B.A. Seoul National University, 1988; M.A. Johns Hopkins University, 1991. Economics.* The Stock Market Behavior of October 1987 and International Stock Markets: Empirical Studies.

Alison Marie Parker; *B.A. University of California-Berkeley, 1987; M.A. Johns Hopkins University, 1990. History.* Purifying America: The Women's Moral Reform Movement and Pro-Censorship Activism, 1873-1933.

Albert Kevin Pask; *B.A. Yale University, 1983. Humanities.* The Emergence of the English Author: Pre-Scripting the Life of the Poet in Early Modern England.

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